

October 2021

Subject: Newly Published Safety Data Sheets (SDS)

Dear Customer -

As you may be aware, OSHA has revised the Hazard Communication Standard which resulted in newly published Safety Data Sheets (SDS).

Based on our sales history with your company, enclosed you will find SDS covering various products from the major manufacturers.

Please take time to review the SDS enclosed as well as share these SDS with all your employees and customers.

As a reminder, you may always request an SDS for any product you have purchased by advising your salesman.

In addition, you may also send an email request to <u>SDSrequest@ictulsa.com</u> specifying the product SDS you would like to receive.

Thank you for your business. We value you as our customer.

Regards, Inter-Chem Operations Support



according to 29 CFR 1910.1200(g)

Ammonium Sulfate

SECTION 1: IDENTIFICATION	NOF THE SUBSTANCE/MIXTUR	F AND OF THE COMPANY

Product Name:	Ammonium Sulfate	
Product Code:	AS	
Synonyms:	Ammonium Sulphate; Diammonium Sulfate.	
Product Use:	Agricultural and industrial. For industrial and agricultural use only.	
Manufacturer:	PCI Nitrogen, LLC 2001 Jackson Rd Pasadena, TX 77506	713-920-5300 www.pcicorp.net

Emergency number:

CHEMTREC 800-424-9300 (within US); 202-366-4488 (outside US)

SECTION 2: HAZARDS IDENTIFICATION

Classification (GHS-US): Acute Tox. 4 (Oral) H302 Eye Irrit. 2A H319

Label Elements: GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

Warning

Hazard Statements (GHS-US)

H302 - Harmful if swallowed

H319 - Causes serious eye irritation

Precautionary Statements (GHS-US)

P264 - Wash hands and forearms thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear eye protection, face protection, protective clothing, protective gloves.

P301+P312 - If swallowed, call a doctor if you feel unwell.

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P330 - If swallowed, rinse mouth.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P501 - Dispose of contents/container according to local, regional, national, territorial,

provincial, and international regulations.

Other Hazards:

Not available

Unknown Acute Toxicity (GHS-US):

Not available

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according to 29 CFR 1910.1200(q)

Ammonium Sulfate

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		Mixture	
Name	Product identifier	% (w/w)	Classification (GHS-US)
Ammonium sulfate	(CAS No) 7783-20-2	98	Acute Tox. 4 (Oral), H302
Aluminum sulfate	(CAS No) 10043-01-3	2	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

Inhalation:	Using proper respiratory protection, immediately move the exposed person to fresh air. Keep at rest and in a position comfortable for breathing. Seek immediate medical advice.
Skin Contact:	Brush off loose particles from skin. Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.
Eye Contact:	Immediately rinse with water for a prolonged period (at least 15 minutes) while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Ingestion:	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Rinse mouth.

Most Important Symptoms and Effects Both Acute and Delayed

General: Harmful if swallowed. Eye irritation.

Inhalation:	May cause respiratory irritation. Symptoms may be delayed.	
Skin Contact:	May cause skin irritation.	
Eye Contact:	Causes serious eye irritation.	
Ingestion:	Harmful if swallowed.	
Chronic Symptoms:	Repeated or prolonged skin contact may cause dermatitis and defatting.	

Indication of Any Immediate Medical Attention and Special Treatment Needed If medical advice is needed, have product container or label at hand.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire. **Unsuitable Extinguishing Media:** Do not get water inside containers. Do not apply water stream directly at source of leak.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.



according to 29 CFR 1910.1200(c

Ammonium Sulfate

SECTION 5: FIREFIGHTING MEASURES (CONTINUED)

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Do not get water inside containers. Do not apply water stream directly at source of leak.

Protection During Firefighting: Do not enter fire area without proper protective

equipment, including respiratory protection.

Hazardous Combustion Products: Sulphur oxides. Nitrogen oxides.

Other information: Do not allow run-off from fire fighting to enter drains or water courses.

Reference to Other Sections:

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Do not breathe dust. Handle in accordance with good industrial hygiene and safety practice.

For Non-Emergency Personnel

Protective Equipment: Use recommended respiratory protection. Wear suitable

protective clothing, gloves and eye/face protection.

Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Use recommended respiratory protection. Wear suitable

protective clothing, gloves and eye/face protection.

Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

Environmental Precautions

Do not allow to enter drains or water courses. Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

For Containment: Contain and collect as any solid.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

Reference to Other Sections

See section 8, Exposure Controls and Personal Protection

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Hygiene Measures: Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in original container or corrosive resistant and/or lined container. Store in a dry, cool and well-ventilated place. Store away from other materials.



according to 29 CFR 1910.1200(g)

Ammonium Sulfate

SECTION 7: HANDLING AND STORAGE (CONTINUED)

Incompatible Materials: Reducing agents, organic materials, alkalis, moisture, strong acids, strong bases, strong oxidizers.

Specific End Use(s)

Agricultural and industrial. For industrial and agricultural use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment:



Materials for Protective Clothing: Chemically resistant materials and fabrics. **Hand Protection:** Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use NIOSH-approved air-purifying or supplied-air respirator where

airborne concentrations of dust are expected to exceed exposure limits.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES	Information on Basic Physical & Chemical Properties
Physical State:	Solid
Appearance:	White granules
Odor:	Not available
Odor Threshold:	Not available
pH:	3.5 (10% Solution)
Relative Evaporation Rate (butylacetate=1):	Not available
Melting Point:	- 235 °C (-391 °F)
Freezing Point:	Not available
Boiling Point:	> 280 °C (536 °F)

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Ammonium Sulfate

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES	S (CONTINUED)
Flash Point:	Not available
Auto-ignition Temperature:	Not available
Decomposition Temperature:	Not available
Flammability (solid, gas):	Not available
Lower Flammable Limit:	Not available
Upper Flammable Limit:	Not available
Vapor Pressure:	Not available
Relative Vapor Density at 20 °C:	Not available
Relative Density:	1.58 (water = 1)
Solubility:	Soluble in water
Log Pow:	Not available
Log Kow:	Not available
Viscosity, Kinematic:	Not available
Viscosity, Dynamic:	Not available
Explosion Data – Sensitivity to Mechanical Impact:	Not available
Explosion Data – Sensitivity to Static Discharge:	Not available
SECTION 10: STABILITY AND REACTIVITY	

SECTION 10: STABILITY AND REACTIVITY	ТҮ
Reactivity:	Hazardous reactions will not occur under normal conditions.
Chemical Stability:	Stable at standard temperature and pressure.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Conditions to Avoid:	Extremely high or low temperatures. Protect from moisture.
Incompatible Materials:	Strong acids. Strong bases. Strong oxidizers.
Hazardous Decomposition Products:	Ammonia. Nitrogen oxides. Sulfur compounds.

SECTION 11: TOXICOLOGICAL INFORMATION	Information on Toxicological Effects - Product
Acute Toxicity:	Harmful if swallowed.
LD50 and LC50 Data:	See below and Section 12
Skin Corrosion/Irritation:	Not classified

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Respiratory or Skin Sensitization: Germ Cell Mutagenicity: Not classified Not classified Not available Carcinogenicity: Not classified Specific Target Organ Toxicity (Repeated Exposure): Reproductive Toxicity: Not classified Specific Target Organ Toxicity (Single Exposure): Not classified Specific Target Organ Toxicity (Single Exposure): Not classified Aspiration Hazard: Not classified Potential Adverse Human Health Effects and Symptoms: Harmful if swallowed. Symptoms/Injuries After Inhalation: Symptoms may be delayed. Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Symptoms/Injuries After Ingestion: Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting. Information on Toxicological Effects - Ingredient(s) - LD50 and LC50 Data Ammonium sulfate (7783-20-2)	I W I V S to Commit Amount Street S W		Allimornum Sunate
Respiratory or Skin Sensitization: Germ Cell Mutagenicity: Not classified Teratogenicity: Not classified Not classified Specific Target Organ Toxicity (Repeated Exposure): Reproductive Toxicity: Not classified Specific Target Organ Toxicity (Single Exposure): Not classified Specific Target Organ Toxicity (Single Exposure): Not classified Aspiration Hazard: Not classified Potential Adverse Human Health Effects and Symptoms: Harmful if swallowed. Symptoms/Injuries After Inhalation: Symptoms/Injuries After Skin Contact: May cause respiratory irritation. Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Symptoms/Injuries After Ingestion: Harmful if swallowed. Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting. Information on Toxicological Effects - Ingredient(s) - LD50 and LC50 Data Ammonium sulfate (7783-20-2)	SECTION 11: TOXICOLOGICAL INFOR	MATION (C	ONTINUED)
Germ Cell Mutagenicity: Teratogenicity: Not available Not classified Not classified Specific Target Organ Toxicity (Repeated Exposure): Reproductive Toxicity: Not classified Specific Target Organ Toxicity (Single Exposure): Not classified Specific Target Organ Toxicity (Single Exposure): Not classified Not classified Not classified Potential Adverse Human Health Effects and Symptoms: Harmful if swallowed. Symptoms/Injuries After Inhalation: Symptoms/Injuries After Skin Contact: May cause respiratory irritation. Symptoms/Injuries After Eye Contact: May cause skin irritation. Causes serious eye irritation. Symptoms/Injuries After Ingestion: Harmful if swallowed. Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting. Information on Toxicological Effects - Ingredient(s) - LD50 and LC50 Data Ammonium sulfate (7783-20-2)	Serious Eye Damage/Irritation:		Causes serious eye irritation.
Teratogenicity: Carcinogenicity: Not classified Specific Target Organ Toxicity (Repeated Exposure): Not classified Reproductive Toxicity: Not classified Specific Target Organ Toxicity (Single Exposure): Not classified Specific Target Organ Toxicity (Single Exposure): Not classified Aspiration Hazard: Not classified Potential Adverse Human Health Effects and Symptoms: Harmful if swallowed. Symptoms/Injuries After Inhalation: Symptoms/Injuries After Skin Contact: May cause skin irritation. Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Symptoms/Injuries After Ingestion: Harmful if swallowed. Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting. Information on Toxicological Effects - Ingredient(s) - LD50 and LC50 Data Ammonium sulfate (7783-20-2)	Respiratory or Skin Sensitization:	ende andersonen ville in der en anger mingen vir de dat an elitig de Erich groupe, par	Not classified
Carcinogenicity: Specific Target Organ Toxicity (Repeated Exposure): Reproductive Toxicity: Specific Target Organ Toxicity (Single Exposure): Not classified Not classified Specific Target Organ Toxicity (Single Exposure): Aspiration Hazard: Potential Adverse Human Health Effects and Symptoms: Symptoms/Injuries After Inhalation: Symptoms/Injuries After Skin Contact: Symptoms/Injuries After Eye Contact: Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Symptoms/Injuries After Ingestion: Harmful if swallowed. Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting. Information on Toxicological Effects - Ingredient(s) - LD50 and LC50 Data Ammonium sulfate (7783-20-2)	Germ Cell Mutagenicity:		Not classified
Specific Target Organ Toxicity (Repeated Exposure): Reproductive Toxicity: Not classified Specific Target Organ Toxicity (Single Exposure): Not classified Not classified Aspiration Hazard: Potential Adverse Human Health Effects and Symptoms: Symptoms/Injuries After Inhalation: Symptoms/Injuries After Skin Contact: May cause respiratory irritation. Symptoms may be delayed. Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Symptoms/Injuries After Ingestion: Harmful if swallowed. Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting. Information on Toxicological Effects - Ingredient(s) - LD50 and LC50 Data Ammonium sulfate (7783-20-2)	Teratogenicity:		Not available
Reproductive Toxicity: Specific Target Organ Toxicity (Single Exposure): Aspiration Hazard: Potential Adverse Human Health Effects and Symptoms: Symptoms/Injuries After Inhalation: Symptoms/Injuries After Skin Contact: Symptoms/Injuries After Eye Contact: Symptoms/Injuries After Ingestion: Causes serious eye irritation. Symptoms/Injuries After Ingestion: Harmful if swallowed. Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting. Information on Toxicological Effects - Ingredient(s) - LD50 and LC50 Data Ammonium sulfate (7783-20-2)	Carcinogenicity:	editional international and the second section of the second section of the secti	Not classified
Specific Target Organ Toxicity (Single Exposure): Aspiration Hazard: Potential Adverse Human Health Effects and Symptoms: Symptoms/Injuries After Inhalation: Symptoms/Injuries After Skin Contact: May cause respiratory irritation. Symptoms may be delayed. May cause skin irritation. Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Symptoms/Injuries After Ingestion: Harmful if swallowed. Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting. Information on Toxicological Effects - Ingredient(s) - LD50 and LC50 Data Ammonium sulfate (7783-20-2)	Specific Target Organ Toxicity (Repeated E	Exposure):	Not classified
Aspiration Hazard: Potential Adverse Human Health Effects and Symptoms: Symptoms/Injuries After Inhalation: Symptoms/Injuries After Skin Contact: May cause respiratory irritation. Symptoms may be delayed. May cause skin irritation. Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Symptoms/Injuries After Ingestion: Harmful if swallowed. Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting. Information on Toxicological Effects - Ingredient(s) - LD50 and LC50 Data Ammonium sulfate (7783-20-2)	Reproductive Toxicity:		Not classified
Potential Adverse Human Health Effects and Symptoms: Symptoms/Injuries After Inhalation: Symptoms/Injuries After Skin Contact: May cause respiratory irritation. Symptoms may be delayed. May cause skin irritation. Causes serious eye irritation. Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Harmful if swallowed. Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting. Information on Toxicological Effects - Ingredient(s) - LD50 and LC50 Data Ammonium sulfate (7783-20-2)	Specific Target Organ Toxicity (Single Exposure):		Not classified .
Symptoms/Injuries After Inhalation: Symptoms may be delayed. Symptoms/Injuries After Skin Contact: May cause skin irritation. Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Symptoms/Injuries After Ingestion: Harmful if swallowed. Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting. Information on Toxicological Effects - Ingredient(s) - LD50 and LC50 Data Ammonium sulfate (7783-20-2)	Aspiration Hazard:		Not classified
Symptoms/Injuries After Innalation: Symptoms/Injuries After Skin Contact: May cause skin irritation. Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Harmful if swallowed. Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting. Information on Toxicological Effects - Ingredient(s) - LD50 and LC50 Data Ammonium sulfate (7783-20-2)	Potential Adverse Human Health Effects and Symptoms:		Harmful if swallowed.
Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Harmful if swallowed. Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting. Information on Toxicological Effects - Ingredient(s) - LD50 and LC50 Data Ammonium sulfate (7783-20-2)	Symptoms/Injuries After Inhalation:		
Symptoms/Injuries After Ingestion: Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting. Information on Toxicological Effects - Ingredient(s) - LD50 and LC50 Data Ammonium sulfate (7783-20-2)	Symptoms/Injuries After Skin Contact:		May cause skin irritation.
Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting. Information on Toxicological Effects - Ingredient(s) - LD50 and LC50 Data Ammonium sulfate (7783-20-2)	Symptoms/Injuries After Eye Contact:		Causes serious eye irritation.
dermatitis and defatting. Information on Toxicological Effects - Ingredient(s) - LD50 and LC50 Data Ammonium sulfate (7783-20-2)	Symptoms/Injuries After Ingestion:		Harmful if swallowed.
Ammonium sulfate (7783-20-2)	Chronic Symptoms:		1 ' -
	Information on	Toxicologi	cal Effects - Ingredient(s) - LD50 and LC50 Data
	Ammonium sulfate (7783-20-2)		
	LD50 Oral Rat	2000 mg/	/kg

Information o	n Toxicological Effects - Ingredient(s) - LD50 and LC50 Data
Ammonium sulfate (7783-20-2)	
LD50 Oral Rat	2000 mg/kg
ATE (oral)	2000 mg/kg body weight
Aluminum sulfate (10043-01-3)	
LD50 Oral Rat	1930 mg/kg

SECTION 12: ECOLOGICAL INFORMATION Toxicity		
Ammonium sulfate	(7783-20-2)	
LC50 Fish 1	5.2 - 8.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])	
EC50 Daphnia 1	423 mg/l (Exposure time: 24 h - Species: Daphnia magna)	
LC 50 Fish 2	32.2 - 41.9 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])	
EC50 Daphnia 2	14 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
Aluminum sulfate (10043-01-3)	
LC50 Fish 1	100 mg/l (Exposure time: 96 h - Species: Carassius auratus)	
EC50 Daphnia 1	136 mg/l (Exposure time: 15 min - Species: Daphnia magna)	
LC 50 Fish 2	37 mg/l (Exposure time: 96 h - Species: Gambusia affinis [static])	

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Ammonium Sulfate

SECTION 12: ECOLOGICAL INFORMATION (CONTINUED)				
		Persistence and	l Degradability	
Ammonium Sulfate				
Persistence and Degradability	Not esta	ablished.		
		Bioaccumu	lative Potential	
Ammonium Sulfate				
Bioaccumulative Potential	Not established.		,	
Ammonium sulfate (7783-20-2)				
Log Pow	-5.1 (at 25 °C)		:	
Mobility in Soil:		Not available	sum (0) + sum where the the Columns is used as even as we will also only again (0) + the the theory (0) +	
Other Adverse Effects				
Other Information:		Avoid release to the environment.		
SECTION 13: DISPOSAL CONS	SIDERATIONS			
		vaste material in accordance with all	ocal, regional,	
national, provincial, territorial and	d international regu	lations.		
SECTION 14: TRANSPORT INF	FORMATION	In Accordance With IC	AO/IATA/DOT/TDG	
DOT UN No.:	Not Regulated			
DOT Proper Shipping Name:	Not Regulated			
Department of Transportation (DOT) Hazard Classes	Not Regulated			
DOT Symbols	Not Regulated			
Packing group (DOT)	Not Regulated			
DOT Reportable Quantity (RQ)	5,000 lb of Aluminum Sulfate; see Section 3 for weight percent.			
USCG CHRIS Code	AMS - Ammonium Sulfate			
USCG CHRIS Code	ALS - Aluminum Sulfate			
SECTION 15: REGULATORY INF	ORMATION - Amm	onium Sulfate (7783-20-2) US Fede	eral Regulations	
United States TSCA (Toxic Substances Control Act) inventory Yes			Yes	
EPCRA (SARA) § 313 Toxic Release Inventory (TRI) Ammonia, CAS 7664-41-7 25.8% (Aqueous ammonia from the disassociation of ammonium salts)				
EPCRA (SARA) § 302 Extremely Hazardous Sub		stance (EHS)	No	
EPCRA (SARA) § 302 Threshold Planning Quantity (TPQ))	No	
EPCRA (SARA) § 302 EHS Reportable Quantity (RQ))	No	
CERCLA Reportable Quantity (RQ)			No	
CERCLA Hazardous Substand	ce		No	

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SECTION 15: REGULATORY INFORMATION - Aluminum Sulfate (10043-01-3)

US Federal Regulations

United States TSCA (Toxic Substances Control Act) inventory

Yes

EPCRA (SARA) § 313 Toxic Release Inventory (TRI)

Yes1

EPCRA (SARA) § 302 Extremely Hazardous Substance (EHS)

No

EPCRA (SARA) § 302 Threshold Planning Quantity (TPQ)

No

EPCRA (SARA) § 302 EHS Reportable Quantity (RQ)

No

CERCLA Reportable Quantity (RQ)

(See Section 3 for weight percent) 5,000 lb.

Yes

US State Regulations

Ammonium sulfate (7783-20-2)

- U.S. California SCAQMD Toxic Air Contaminants With Proposed Risk Values
- U.S. California Toxic Air Contaminant List (AB 1807, AB 2728)
- U.S. Massachusetts Right To Know List
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- U.S. Pennsylvania RTK (Right to Know) List
- U.S. Rhode Island Air Toxics Acceptable Ambient Levels 1-Hour
- U.S. Rhode Island Air Toxics Acceptable Ambient Levels Annual
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term

Aluminum sulfate (10043-01-3)

- U.S. Delaware Pollutant Discharge Requirements Reportable
- Quantities U.S. Louisiana Reportable Quantity List for Pollutants
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 1 U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration -

Reporting Category 2 U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity

U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration -

Reporting Category 1 U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable

Concentration - Reporting Category 2 U.S. - Massachusetts - Right To Know List

- U.S. Massachusetts Toxics Use Reduction
- Act U.S. Michigan Polluting Materials List
- U.S. New Jersey Discharge Prevention List of Hazardous Substances
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. New Jersey Special Health Hazards Substances List
- U.S. New York Reporting of Releases Part 597 List of Hazardous Substances
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- U.S. Pennsylvania RTK (Right to Know) List U.S.
- Texas Effects Screening Levels Long Term U.S.
- Texas Effects Screening Levels Short Term

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CERCLA Hazardous Substance

¹Water dissociable ammonium compound



according to 29 CFR 1910.1200(g)

Ammonium Sulfate

Canadian Regulations

SECTION 15: REGULATORY INFORMATION (CONTINUED)

Ammonium Sulfate

WHMIS Classification

Class D Division 2 Subdivision B - Toxic material causing other toxic effects



Ammonium sulfate (7783-20-2)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Listed on the Canadian Ingredient Disclosure List

WHMIS Classification

Uncontrolled product according to WHMIS classification criteria

Aluminum sulfate (10043-01-3)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification

Class D Division 2 Subdivision B - Toxic material causing other toxic effects

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

SECTION 16: OTHER INFORMATION

Indication of Changes:	11/20/2013
Other Information:	This document has been prepared in accordance with the SDS requirements of the OSHA - Hazard Communication Standard 29 CFR 1910.1200

GHS Full Text Phrases:

GH3 Full Text Fillases.		
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4	
Eye Dam. 1	Serious eye damage/eye irritation Category 1	
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A	
Met. Corr. 1	Corrosive to metals Category 1	
H290	May be corrosive to metals	
H302	Harmful if swallowed	
H318	Causes serious eye damage	
H319	Causes serious eye irritation	

Party Responsible for the Preparation of This Document

Technical Manager of PCI Nitrogen, LLC Phone Number: 713-920-5300

The information contained in this Material Safety Data Sheet (MSDS) relates only to the specific product(s) designated herein. The information and recommendations are based upon data believed to be current as of the date of this MSDS and was obtained from sources believed to be accurate. However, this information is furnished without warranty, representations, or license of any kind, express or implied, with respect to accuracy, correctness, or completeness and neither PCI Nitrogen, LLC nor its marketing affliates assume any legal responsibility for use or reliance upon same.

North America GHS US 2012 & WHMIS

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