

# SAFETY DATA SHEET

URAN® (NITROGEN FERTILIZER SOLUTION)

## Section 1. Identification

Product identifier : URAN® (NITROGEN FERTILIZER SOLUTION)

Product code : URAN28, URAN30, URAN32

SDS# : 307

Other means of : Uran® 28, 30 or 32% (Nitrogen Fertilizer Solution), Urea Ammonium Nitrate Fertilizer

identification Solution, UAN Solution

Product type : Liquid.

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

identified uses

Fertilizer.

Uses advised against

None

Supplier's details : PCS Sales (USA), Inc. (A Subsidiary of Nutrien Ltd.)

Suite 150

500 Lake Cook Road Deerfield, IL 60015 United States

PCS Sales (Canada), Inc. (A Subsidiary of Nutrien Ltd.)

**Suite 1700** 

211 - 19th Street East Saskatoon SK S7K 5R6

Canada

Telephone no.: : 1-800-524-0132
Email : sds@nutrien.com

Emergency telephone

number (with hours of

operation)

: Nutrien North American

24 HOUR EMERGENCY TELEPHONE NUMBERS:

English:

Transportation Emergencies: 1-800-792-8311 Medical Emergencies: 1-303-389-1653

French or Spanish:

Transportation or Medical Emergencies: 1-303-389-1654

## Section 2. Hazard 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

: EYE IRRITATION - Category 2B

GHS label elements

Hazard pictograms : Not applicable.

Signal word : Warning

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## Section 2. Hazard identification

Hazard statements : Causes eye irritation.

Precautionary statements

Prevention : Wash 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 advice or attention.

Storage : Not applicable.

Disposal : Not applicable.

# Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	% (w/w)	CAS number
ammonium nitrate urea water		6484-52-2 57-13-6 7732-18-5

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified 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

Eve contact : Begin eye irri

: Begin eye irrigation immediately. Exposures to eye irritants may require medical evaluation following decontamination if pain or irritation persists. Immediately rinse eyes with large quantities of water or saline for a minimum of 15 minutes. If possible, remove contact lenses being careful not to cause additional eye damage. If the initial water supply is insufficient, keep the affected area wet with a moist cloth and transfer the person to the nearest place where rinsing can be continued for the recommended length of time. For additional advice call the medical emergency

number on this SDS or your poison center or doctor.

Inhalation : Remove person to fresh air. No known significant effects. Seek medical attention

for any signs of wheezing and/or breathing difficulties. For additional advice call the medical emergency number on this SDS or your poison center or medical provider.

Skin contact: No known significant effects. Rinse the affected areas with water. Remove

contaminated clothing, jewelry, and shoes. Wash/clean items before reuse. Seek medical attention for persistent skin pain or irritation. For additional advice call the

medical emergency number on this SDS or your poison center or doctor.

Ingestion : Wash out mouth with water. Remove dentures if any. If material has been

swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such

as a collar, tie, belt or waistband.

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

Eye contact : Causes eye irritation.

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## Section 4. First-aid measures

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

ingestion : Nitrate based product. May be irritating to mouth, throat and stomach. Over-

exposure by ingestion is unlikely under normal working conditions.

### Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:

irritation watering redness

Inhalation : No specific data. Skin contact : No specific data.

Ingestion : Adverse symptoms may include the following:

nausea or vomiting stomach pains diarrhea

### Indication of immediate medical 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.

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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Decontamination measures may be necessary. Personnel and equipment must be

checked and decontaminated prior to leaving the area.

### 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 furnes.

When heated to decomposition it emits toxic fumes (NH3, NO, NO2...).

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 dioxide carbon monoxide nitrogen oxides

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## Section 5. Fire-fighting measures

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. Contain and collect the water used to fight the fire for later treatment and disposal. Dangerous if allowed to dry out. Residue may exhibit oxidizing properties.

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.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering.

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

: 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. Use appropriate equipment to put the spilled substance in a container for reuse or disposal.

Large spill

: Shut off all ignition sources. No flares, smoking or flames in hazard area. Stop leak if without risk. Put on appropriate personal protective equipment (see Section 8). Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Use appropriate equipment to put the spilled substance in a container for reuse or disposal. Recycle to process, if possible. or

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). Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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.

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## Section 7. Handling and storage

including any incompatibilities

Conditions for safe storage, : Store and use in accordance with all applicable regulations and company requirements. 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 from freezing. Keep container tightly closed and sealed until ready for use. Dangerous if allowed to dry out. Residue may exhibit oxidizing properties. 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. May form corrosive sludge on prolonged storage. May be corrosive to metals. Contact your sales representative or a metallurgical specialist to ensure compatability with your equipment.

> While UAN 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 UAN solution 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

None.

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 measures

Contact your personal protective equipment manufacturer to verify the compatibility of the equipment for the intended purpose.

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

: 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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## Section 8. Exposure controls/personal protection

: Personal protective equipment for the body should be selected based on the task **Body protection** 

being performed and the risks involved and should be approved by a specialist

before handling this product.

: Appropriate footwear and any additional skin protection measures should be Other skin protection

selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Use slip

resistant footwear. Hazard of slipping on spilled product.

: Based on the hazard and potential for exposure, select a respirator that meets the Respiratory protection

appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important

aspects of use.

For U.S. work sites where respiratory protection is required, ensure that a

: 117 to 125°C (242.6 to 257°F) [Variable, depending on the formulation.]

respiratory protection program meeting 29 CFR 1910.134 requirements is in place.

## Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid. [Clear to slightly hazy liquid.]

Color : Colorless to light yellow. Odor : Ammoniacal. [Slight]

Odor threshold : Not available. рH : 6.3 to 7.2

: -17 to -2°C (1.4 to 28.4°F) [Variable, depending on the formulation.] Meltina point/freezina point

Boiling point, initial boiling

point, and boiling range

Flash point : [Product does not sustain combustion.]

Evaporation rate : Not available. Flammability Not available. Lower and upper explosion : Not available.

limit/flammability limit

Vapor pressure : Not available. Relative vapor density : Not available.

Relative density : 1.28 to 1.33 [Variable, depending on the formulation.]

**Bulk density** : 10.6 to 11.3 lb/gal

Solubility : Easily soluble in the following materials: cold water and hot water.

Solubility in water Miscible in water. Partition coefficient: n-: Not applicable.

octanol/water

Auto-ignition temperature : Not applicable. Decomposition temperature Not available. : Not available. Viscosity

Particle characteristics

Median particle size : Not applicable.

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## Section 10. Stability and reactivity

Reactivity

: Not an oxidizer at the manufactured concentration. It may become an oxidizing liquid if concentrated by evaporation. Keep away from incompatible materials. May form corrosive sludge on prolonged storage.

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. Keep away from heat and direct sunlight. Keep from freezing. Keep away from incompatible materials. Contact your sales representative or a metallurgical specialist to ensure compatability with your equipment.

Incompatible materials

: Strong acids, strong alkalis, chlorine, hypochlorites, chlorates. Incompatible with copper alloys, copper, and zinc. May be incompatible with some materials of construction.

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
URAN® (NITROGEN FERTILIZER SOLUTION)	LD50 Dermal	Rat - Male, Female	>5000 mg/kg	-
,	LD50 Oral	Rat - Male, Female	2950 mg/kg	-
ammonium nitrate urea	LD50 Oral LD50 Oral	Rat Rat - Male, Female	2217 mg/kg 14300 mg/kg	-  -

Conclusion/Summary

: Low acute toxicity. Nitrate based product. May be irritating to the digestive tract. May cause nausea, vomiting, diarrhea, and abdominal pain. 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. Persons with methemoglobinemia may have blue tinge color to lips, nails, and skin. Also they may have shortness of breath or trouble breathing. Persons more susceptible to methemoglobinemia include: very young (less than 3 months), the elderly, those with chronic obstructive pulmonary disease (COPD), anemia, coronary artery disease, recent surgery or infection, and those with a genetic deficiency of G-6-PD.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
ammonium nitrate	Skin - Edema	Rabbit	0	-	72 hours
	Eyes - Edema of the conjunctivae	Rabbit	3	-	3 days
urea	Skin - Edema	Rabbit	0	-	72 hours

### Conclusion/Summary

Skin : No known significant effects or critical hazards.

Eyes : Irritating to the eyes.

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# Section 11. Toxicological information

### Sensitization

Product/ingredient name	Route of exposure	Species	Result
ammonium nitrate	skin	Mouse	Not sensitizing
urea	skin	Mouse	Not sensitizing

## Conclusion/Summary

Skin : No known significant effects or critical hazards.

Respiratory : No known significant effects or critical hazards.

#### Mutagenicity

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

Conclusion/Summary

: No known significant effects or critical hazards.

#### Carcinogenicity

Not available.

Conclusion/Summary

: No known significant effects or critical hazards. Potential for nitrosamine formation if

ingested. Do not ingest.

### Classification

Product/ingredient name	IARC	NTP	ACGIH
ammonium nitrate	2A	-	-

### Reproductive toxicity

Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
ammonium nitrate	Negative	Negative	Negative		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.

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## Section 11. Toxicological information

Information on the likely

: Routes of entry anticipated: Dermal. Eye contact.

routes of exposure

### Potential acute health effects

Eye contact : Causes eye irritation.

: No known significant effects or critical hazards. Inhalation Skin contact : No known significant effects or critical hazards.

: Nitrate based product. May be irritating to mouth, throat and stomach. Over-Ingestion

exposure by ingestion is unlikely under normal working conditions.

### Symptoms related to the physical, chemical and toxicological characteristics

: Adverse symptoms may include the following: Eye contact

> irritation watering redness

Inhalation : No specific data. Skin contact : No specific data

Ingestion : Adverse symptoms may include the following:

> nausea or vomiting stomach pains diarrhea

#### Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate : See above.

effects

Potential delayed effects : See above.

Long term exposure

Potential immediate

: Methemoglobinemia (see Acute Health Effects).

effects

Potential delayed effects : See below.

### Potential chronic health effects

Product/ingredient name	Result	Species	Dose	Exposure
ammonium nitrate	Chronic NOAEL Oral	Rat - Male, Female	256 mg/kg	12 months Continuous
urea	Chronic NOAEL Oral	Rat - Male, Female	2250 mg/kg	12 months Continuous

Conclusion/Summary : Adverse chronic health effects are associated with high level exposures.

General : See above.

Carcinogenicity : Potential for nitrosamine formation if ingested. Do not ingest.

Mutagenicity : No known significant effects or critical hazards. Reproductive toxicity : No known significant effects or critical hazards.

### Numerical measures of toxicity

## Acute toxicity estimates

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## **Section 11. Toxicological information**

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
URAN® (NITROGEN FERTILIZER SOLUTION) ammonium nitrate urea	2950 2217 14300		N/A N/A N/A	N/A N/A N/A	N/A N/A N/A

Other information : Not available.

# Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
URAN® (NITROGEN FERTILIZER SOLUTION)	NOEC >1700 mg/l Marine water	Algae	10 days
,	Acute EC50 490 mg/l Fresh water	Daphnia	48 hours
	Acute LC50 447 mg/l Fresh water	Fish	48 hours
ammonium nitrate	NOEC >1700 mg/l	Algae	10 days
	Acute EC50 490 mg/l	Daphnia	48 hours
	Chronic NOEC 6 to 12 mg/l Fresh water	Crustaceans - Cladocera	21 days
urea	Acute EC50 6573.1 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute EC50 3910000 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 22500 mg/l	Fish - Tilapia - Fry	48 hours
	Chronic NOEC 2 g/L Fresh water	Fish - Heteropneustes fossilis	30 days

Conclusion/Summary

: May be harmful to the environment if released in large quantities. Excessive nutrient runoff to a body of water may result in eutrophication.

#### Persistence and degradability

Conclusion/Summary

: Readily biodegradable

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
URAN® (NITROGEN FERTILIZER SOLUTION)	-	-	Readily
ammonium nitrate	-	-	Readily

## Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
urea	<-1.73	-	low

### Mobility in soil

Soil/water partition coefficient (Koc)

: 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. Incineration or landfill should only be considered when recycling is not feasible. This material and

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## Section 13. Disposal considerations

its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	TDG	DOT	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class(es)	-	-	-	-
Packing group	-	-	-	-
Marine pollutant	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

Canadian lists

Canadian NPRI : The following components are listed: ammonia (total)

**CEPA Toxic substances** : None of the components are listed.

International regulations

Chemical Weapon Convention List Schedules I. II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia : All components are listed or exempted. Canada : All components are listed or exempted.

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# Section 15. Regulatory information

: All components are listed or exempted. China : All components are listed or exempted. Europe

: Japan inventory (CSCL): All components are listed or exempted. Japan

Japan inventory (ISHL): Not determined.

New Zealand : All components are listed or exempted. **Philippines** : All components are listed or exempted. Republic of Korea : All components are listed or exempted. Taiwan : All components are listed or exempted. Thailand : All components are listed or exempted.

Turkey : Not determined.

**United States** : All components are active or exempted. Viet Nam : All components are listed or exempted.

: Not listed

: Not listed

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Air Act Section 112(b)

Hazardous Air Pollutants

(HAPs)

Clean Air Act Section 602

Class I Substances

Clean Air Act Section 602

Class II Substances

: Not listed

**DEA List | Chemicals** 

(Precursor Chemicals)

**DEA List II Chemicals** 

(Essential Chemicals)

: Not listed : Not listed

# SARA 302/304

#### Composition/information on ingredients

No products were found.

### SARA 311/312

Classification : EYE IRRITATION - Category 2B

### Composition/information on ingredients

Name	%	Classification
ammonium nitrate	40 - 45	OXIDIZING SOLIDS - Category 3 EYE IRRITATION - Category 2A

## **SARA 313**

	Product name	CAS number	%
Form R - Reporting requirements	ammonium nitrate	6484-52-2	40 - 45
Supplier notification	ammonium nitrate	6484-52-2	40 - 45

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.

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## Section 15. Regulatory information

New Jersey : The following components are listed: AMMONIUM NITRATE; NITRIC ACID,

AMMONIUM SALT

Pennsylvania : The following components are listed: NITRIC ACID AMMONIUM SALT

California Prop. 65

This product, as manufactured, does NOT contain any substance in concentrations known to the state of California to cause cancer, birth defects or other reproductive harm. Nutrien cannot guarantee the downstream compliance of any product once out of Nutrien custody.

## Section 16. Other information

History

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Key to abbreviations : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

HPR = Hazardous Products Regulations
IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = 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)

N/A = Not available

SGG = Segregation Group UN = United Nations

### Procedure used to derive the classification

Classification	Justification	
EYE IRRITATION - Category 2B	Weight of evidence	

Indicates information that has changed from previously issued version.

#### Notice to reader

Supply chain partners must ensure they pass this SDS, and all other relevant safety information to their customers.

### DISCLAIMER AND LIMITATION OF LIABILITY

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FURTHERMORE, THE RECIPIENT ASSUMES ALL RISK IN CONNECTION WITH THE USE OF THE MATERIAL. THE RECIPIENT ASSUMES ALL RESPONSIBILITY FOR ENSURING THE MATERIAL IS USED IN A SAFE MANNER IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL, HEALTH, SAFETY AND SECURITY LAWS,

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## **Section 16. Other information**

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