

21-7-14+0+5 Safety Data Sheet



1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier/other means of identification

- Ⓢ **GHS product identifier:** Stampede 21-7-14
- Ⓢ **Product type:** Solid (prills)
- Ⓢ **Product Code:** PAT210714

Recommended use of the chemical and restrictions on use

- Ⓢ **Recommended use:** Fertilizers Industrial Professional
- Ⓢ **Restrictions on use:** Consumer use

Details of the supplier of the safety data sheet

- Ⓢ **Address:**
PURSELL AGRI-TECH, LLC
104 Calhoun Avenue
Sylacauga, AL 35150
- Ⓢ **Email:** info@fertilizer.com
- Ⓢ **Emergency Telephone:**
PURSELL AGRI-TECH, LLC
(256) 208-9509

2. HAZARD(S) IDENTIFICATION

Classification

Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 1B

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Hazard symbol	 Danger
Hazard statement	Causes serious eye irritation May cause cancer

Precautionary Statements – Prevention

- Ⓢ Obtain special instructions before use
- Ⓢ Do not handle until all safety precautions have been read and understood
- Ⓢ Wear protective gloves/clothing and eye/face protection
- Ⓢ Wash face, hands and any exposed skin thoroughly after handling

Precautionary Statements – Response

- Ⓢ IF exposed or concerned: Get medical advice/attention

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- ☉ 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/attention

Precautionary Statements – Miscellaneous

Storage	Store locked up
Disposal	Dispose of contents/container to an approved waste disposal plant
Other	May be harmful if swallowed

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable

Mixtures

Chemical name	CAS Number	Weight – %	Trade secret
Ammonium nitrate	6484-52-2	45-<60	*
Calcium sulphate	7778-18-9	1-<5	*
Calcium fluoride	7789-75-5	1-<5	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Description of first aid measures

General advice	IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
Skin contact	Wash skin with soap and water.
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms	May cause redness and tearing of the eyes. Burning sensation.
Effects of Exposure	No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	CO ₂ , dry chemical, dry sand, alcohol-resistant foam.
Large fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	May emit toxic fumes under fire conditions.
Hazardous combustion products	Carbon oxides. Ammonia. Nitrogen oxides (NO _x). Hydrogen chloride. Chlorine gas.

Explosion Data

Sensitivity to mechanical impact	None
Sensitivity to static discharge	None

Special protective equipment and precautions for firefighters – Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Do not add water to contents while in a container because of violent reaction and possible flash fire. Substance will react with water (some violently) releasing flammable, toxic or corrosive gases and runoff. DO NOT GET WATER INSIDE CONTAINERS.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
Other information	Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.
Conditions for safe storage, including any incompatibilities	Keep in a dry, cool and well-ventilated place. Store locked up. Protect from moisture. Partly used or damaged bags should be closed well. Keep containers tightly closed in a dry, cool and well-ventilated place.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Calcium sulphate 7778-18-9	TWA: 10 mg/m ³ inhalable particulate matter	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Calcium fluoride 7789-75-5	TWA: 2.5 mg/m ³ F	TWA: 2.5 mg/m ³ F (vacated) TWA: 2.5 mg/m ³	IDLH: 250 mg/m ³ F TWA: 2.5 mg/m ³ F

Biological occupational exposure limits

Chemical name	ACGIH
Calcium fluoride 7789-75-5	2 mg/L - urine (Fluoride) - prior to shift 3 mg/L - urine (Fluoride) - end of shift

Appropriate engineering controls

Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Individual protection measures, such as personal protective equipment

- 🕒 **Eye/face protection:** Eye protection must conform to standard EN 166. If splashes are likely to occur, wear safety glasses with side-shields.
- 🕒 **Hand protection:** Nitrile rubber. Butyl rubber. Impervious gloves. Wear suitable gloves.
- 🕒 **Skin and body protection:** Wear suitable protective clothing.
- 🕒 **Respiratory protection:** Filtering half-face mask. (FFP1). (FFP2).
- 🕒 **Environmental exposure controls:** Keep out of drains, sewers, ditches and waterways.
- 🕒 **General hygiene considerations:** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.
- 🕒 **Thermal hazards:** None under normal processing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Solid
Appearance	Granules
Color	Greyish or brownish
Odor	None to slight
Odor threshold	No information available

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Property	Values	Remarks / Method
pH pH (as aqueous solution)	4.5 – 5.5	100 g/l @ 20°C None known
Melting point/freezing point	No data available	No data available
Initial boiling point and boiling range	No data available	Not applicable
Flash point	No data available	Not applicable
Evaporation rate	No data available	Not applicable
Flammability		Not flammable
Flammability limit in air Upper flammability or explosive limits Lower flammability or explosive limits	No data available No data available	None known
Vapor pressure	No data available	Not applicable
Relative vapor density	No data available	Not applicable
Relative density	No data available	No data available
Water solubility	No data available	No data available
Solubility(ies)	Moderately soluble	Soluble in water @ 20°C
Partition coefficient	No data available	No data available
Auto-ignition temperature	No data available	Not applicable
Decomposition temperature	> 130 °C / 266 °F	Not applicable
Kinematic viscosity	No data available	Not applicable
Dynamic viscosity	No data available	Not applicable

Other information

Explosive properties	Not an explosive
Oxidizing properties	Non-oxidizing
Softening point	No information available
Molecular weight	No information available
VOC content	No information available
Liquid density	No information available
Bulk density	1000

10. STABILITY AND REACTIVITY

- ⊗ **Reactivity:** None under normal processing.
- ⊗ **Chemical stability:** Stable under normal conditions.
- ⊗ **Possibility of hazardous reactions:** None under normal conditions.
- ⊗ **Hazardous polymerization:** None under normal conditions.
- ⊗ **Conditions to avoid:** See section 7 for more information.



- ⊗ **Incompatible materials:** Strong oxidizing agents, strong acids, and strong bases. Combustible material. Organic material.
- ⊗ **Hazardous decomposition products:** Nitrogen oxides (NOx). Carbon dioxide (CO2). Ammonia.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

- ⊗ **Inhalation:** Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
- ⊗ **Skin contact:** Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.
- ⊗ **Eye contact:** Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
- ⊗ **Ingestion:** Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

- ⊗ May cause redness and tearing of the eyes.

Acute toxicity/Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

- ⊗ **ATEmix (oral):** 2,810.90 mg/kg
- ⊗ **ATEmix (dermal):** 7,595.30 mg/kg
- ⊗ **ATEmix (inhalation-gas):** 99,999.00 ppm
- ⊗ **ATEmix (inhalation-vapor):** 99,999.00 mg/l
- ⊗ **ATEmix (inhalation-dust/mist):** 116.10 mg/l

Component information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ammonium nitrate 6484-52-2	= 2217 mg/kg (Rat)	> 5000 mg/kg (Rat)	> 88.8 mg/L (Rat) 4 h
Calcium sulphate 7778-18-9	> 3000 mg/kg (Rat)	-	> 3.26 mg/L (Rat) 4 h
Calcium fluoride 7789-75-5	= 4250 mg/kg (Rat)	-	> 5070 mg/m3 (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

- ⊗ **Skin corrosion/irritation:** May cause skin irritation.
- ⊗ **Serious eye damage/eye irritation:** Classification based on data available for ingredients. Causes serious eye irritation.
- ⊗ **Respiratory or skin sensitization:** No information available.
- ⊗ **Germ cell mutagenicity:** No information available.
- ⊗ **Carcinogenicity:** Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Ammonium nitrate 6484-52-2	-	Group 2A	-	X
Calcium fluoride	-	Group 3	-	-

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Legend:

X – Present **Group 2A** – Probably Carcinogenic to Human **Group 3** – Not Classifiable as to Carcinogenicity in Humans
IARC (International Agency for Research on Cancer) **OSHA** (Occupational Safety and Health Administration of the US Department of Labor)

- ⊗ **Reproductive toxicity:** No information available.
- ⊗ **Specific target organ toxicity (single exposure):** No information available.
- ⊗ **Specific target organ toxicity (repeated exposure):** No information available.
- ⊗ **Target organ effects** Respiratory system, eyes, skin
- ⊗ **Aspiration hazard:** No information available.
- ⊗ **Other adverse effects:** No information available.
- ⊗ **Interactive effects:** No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ammonium nitrate 6484-52-2	-	LC50: 447 mg/L (48h, Cyprinus carpio)	-	-
Calcium sulphate 7778-18-9	-	LC50: =2980mg/L (96h, Lepomis macrochirus) LC50: >1970mg/L (96h, Pimephales promelas)	-	-

Persistence and degradability: No information available.

Bioaccumulation

Component information:

Chemical name	Partition coefficient
Ammonium nitrate 6484-52-2	-3.1

Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods

- ⊗ **Waste from residues/unused products:** Controlled application to agricultural soil. Fertilizer.
- ⊗ **Contaminated packaging:** Do not reuse empty containers.
- ⊗ **California Hazardous Waste Status:** This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. TRANSPORT INFORMATION

DOT	Not regulated
UN number or ID number	Not regulated
Proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	Not regulated

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Special Provisions	None
UN number or ID number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class(es)	Not applicable
Packing group	Not regulated
Special Provisions	None
UN number or ID number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class(es)	No information available
Packing group	No information available
Special Provisions	None
UN number or ID number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Special Provisions	None
UN number or ID number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Special Provisions	None
UN number or ID number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	Not regulated
IMSBC Code	C
Special Provisions	None

15. REGULATORY INFORMATION

International inventories

TSCA: Contact supplier for inventory compliance status.

*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements.

DSL/NDSL: Contact supplier for inventory compliance status.

EINECS/ELINCS: Contact supplier for inventory compliance status.

ENCS: Contact supplier for inventory compliance status.

IECSC: Contact supplier for inventory compliance status.

KECL: Contact supplier for inventory compliance status.

PICCS: Contact supplier for inventory compliance status.

AIIC: Contact supplier for inventory compliance status.

NZIoC: Contact supplier for inventory compliance status.

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Legend:

- TSCA** – United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** – Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** – Japan Existing and New Chemical Substances
- IECSC** – China Inventory of Existing Chemical Substances
- KECL** – Korean Existing and Evaluated Chemical Substances
- PICCS** – Philippines Inventory of Chemicals and Chemical Substances
- AIIC** – Australian Inventory of Industrial Chemicals
- NZIoC** – New Zealand Inventory of Chemicals

US federal regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 – Threshold Values %
Ammonium nitrate 6484-52-2	1.0

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

US State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Ammonium nitrate 6484-52-2	X	X	X
Water 7732-18-5	-	-	X
Calcium sulphate 7778-18-9	X	X	X

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Calcium fluoride 7789-75-5	X	-	-
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U.S. EPA Label Information

☉ **EPA Pesticide Registration Number:** Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

NFPA	Health hazards = 2	Flammability = 0	Instability = 0	Special hazards = -
HMIS	Health hazards = 2*	Flammability = 0	Physical hazards = 0	Personal protection = X

Chronic Hazard Star Legend * = Chronic Health Hazard

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend – Section 8: Exposure controls/personal protection

TWA TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

Ceiling Maximum limit value

*

Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGl(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

Revision date 27-Nov-2024

Revision note No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information

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relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet