

## 1. Identification

1.1 Product identifier: Fecal Flotation Dry

1.2 Other means of identification: Feca Mix

1.3 Recommended use and restrictions on use:

A pre-measured amount of sodium nitrate prills for reconstitution by the practitioner or technician performing routine fecal examinations. This product is not for human consumption. Refer to safety data sheet regarding safety, usage, applications, hazards, procedures and disposal of this product before use.

1.4 Manufacturer: Ameri-Pac, Inc.  
745 S. 4<sup>th</sup> St.  
St. Joseph, MO 64501  
Phone: 816-233-4530  
800-373-6156

1.5 Emergency Number (800) 424-9300 Chemtrec  
Chemtrec is available Days, Nights, Weekends, and Holidays

## 2. Hazard Identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Oxidizing solids - category 3

Eye irritation - category 2A

2.2 GHS Label Elements

Signal Word: Warning

Hazard Statements:

May cause fire or explosion; oxidizer

H319 Causes serious eye irritation

Pictograms:



Precautionary Statements:

Keep away from flammable / combustible / reducing materials.  
Store in secured/locked area in cool dry conditions in a well-ventilated area.  
Keep container tightly closed.  
Keep container away from heat and sources of ignition.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/eye protection/face protection/protective clothing.  
Avoid breathing dust/fumes/gas/mist/vapors/spray.  
Do not eat, drink or smoke when using this product.  
Wash hands thoroughly after handling.  
Avoid release into environment.  
If on skin: remove contaminated clothing immediately and wash thoroughly with water.  
If exposed seek medical advice/attention.  
If swallowed call poison control center/doctor.  
If in eyes: rinse cautiously with water for at least 15 minutes. Remove contact lenses.  
If skin irritation occurs: get medical advice/attention.  
Remove contaminated clothing and launder before reuse.  
Dispose of contents/container in accordance with all state, local and federal regulations.

2.3 Hazards not otherwise classified: None

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**3. Composition/Information on Ingredients**

3.1 Name: Feca Mix

3.2 Common name/synonyms: Fecal Flotation Dry  
Sodium Nitrate

3.3 Hazardous components and concentrations in the mixture:

<u>Component</u>	<u>CAS Registry Number</u>	<u>Amount (%)</u>
Sodium nitrate	7631-99-4	100 %

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**4. First-Aid Measures**

4.1 Necessary Measures

Skin: Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse.  
If irritation develops, seek medical attention.

Eyes: Immediately rinse eyes with running water for a minimum of 15 minutes.  
Seek medical attention.

Ingestion: Do not induce vomiting unless directed to do so by a medical professional.  
Seek medical attention.

Inhalation: Move to fresh air. Aid in breathing if necessary. Seek medical attention.

#### 4.2 Symptoms and Effects:

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

Exposure to sodium nitrate through inhalation may result in cough and/or sore throat. Skin contact may result in redness. Eye contact results in redness and pain. Ingestion may result in abdominal pain, blue lips or fingernails, blue skin, and in significant quantities convulsions, diarrhea, dizziness, headache, labored breathing, confusion, nausea, unconsciousness, coma and death. May cause delayed lung effects after short term exposure to thermal degradation products.

Workers with a history of kidney or lung disease may be more susceptible to the effects of this substance.

#### 4.3 Indication of immediate medical attention and special treatment needed: Refer to section 4.1

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### 5. Fire-fighting Measures

5.1 Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical: Oxidizer. Contact with combustible materials will not cause spontaneous ignition. Sodium nitrate will enhance an existing fire. Thermal decomposition can lead to the escape of toxic/corrosive gases and vapors. Thermal decomposition products include nitrous oxides, sodium nitrite, and sodium oxide.

5.3 Special protective equipment and precautions for fire-fighters: Use approved self-contained breathing apparatus with full facemask and full protective equipment in confined areas. Use water to keep fire-exposed containers cool.

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### 6. Accidental Release Measures

6.1 Personnel precautions, protective equipment and emergency procedures:

Do not absorb in sawdust or other combustible absorbents.

Avoid sources of heat, sparks, and open flame.

Use local exhaust to control vapors and mists.

Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Evacuate personnel to safe areas.

For personal protection see section 8.

6.2 Methods and materials for containment and cleanup:

Prevent further leakage or spillage if safe to do so.

Do not let product enter drains.

Discharge into the environment must be avoided.

Pickup and arrange disposal without creating dust.

Keep in suitable, closed containers for disposal.

For disposal see section 13.

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## 7. Handling and Storage

### 7.1 Precautions for safe handling:

- Practice good industrial hygiene when handling this product.
- Avoid inhalation of dust, vapor and mist.
- Use explosion-proof equipment.
- Keep away from sources of ignition.
- Do not smoke while using or near the product.
- For precautions see section 2.2

### 7.2 Conditions for safe storage, including any incompatibilities:

- Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Keep container tightly closed in a dry and well-ventilated place.
- Keep away from sources of ignition.

#### Incompatibilities:

Combustible substances, reducing agents

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## 8. Exposure controls/Personal Protection:

### 8.1 Components with workplace control parameters:

Contains no substances with occupational exposure limit values

### 8.2 Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday. When at all possible, institute controls to minimize the exposure and risk of exposure by all means of contact.

### 8.3 Individual protection measures

#### Eye/Face Protection:

Select tightly fitting safety goggles, safety glasses or faceshield (8-inch minimum) as appropriate. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH.

#### Skin Protection:

Handle with gloves. Select gloves which are compatible with components listed in this mixture. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good industrial hygiene practices. Wash and dry hands.

#### Body Protection:

Clothing impervious and resistant to chemicals in this mixture.

#### Respiratory Protection:

Where risk assessment shows air-purifying respirators are appropriate, use a full face respirator, dust mask or half-respirator with the appropriate respirator cartridges or filters as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH. Respirators must be selected with consideration to assessment of risk and in accordance with 29 CFR 1910.134.

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## 9. Physical and Chemical Properties

- 9.1 Appearance:  
Physical State: Solid, prilled or crystalline  
Color: White
  - 9.2 Odor: None
  - 9.3 Odor threshold: No data available
  - 9.4 pH: neutral in aqueous solution
  - 9.5 Melting point/freezing point: 307°C
  - 9.6 Initial boiling point and boiling point range: No data available
  - 9.7 Flash point: No data available
  - 9.8 Evaporation rate: No data available
  - 9.9 Flammability: No data available
  - 9.10 Upper/lower flammability or explosive limits: No data available
  - 9.11 Vapor pressure: No data available
  - 9.12 Vapor density: No data available
  - 9.13 Relative density: No data available
  - 9.14 Solubility: > 100 g/L at 20°C/68°F in water
  - 9.15 Partition coefficient: No data available
  - 9.16 Auto-ignition temperature: No data available
  - 9.17 Decomposition temperature: > 600°C / 1112°F
  - 9.18 Viscosity: No data available
  - 9.19 Specific Gravity: No data available
  - 9.20 Density: 2.26 at 20°C / 68°F
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## 10. Stability and Reactivity

- 10.1 Reactivity: No data available
- 10.2 Chemical stability: Stable under recommended storage conditions
- 10.3 Possibility of hazardous reactions: No data available
- 10.4 Conditions to avoid: Heat, sparks, open flame, excessively high temperatures and incompatible materials

- 10.5 Incompatible materials: Keep away from flammable, combustible and reducing substances
- 10.6 Hazardous decomposition Products : Thermal decomposition products (1112°F / 600°C): Nitrous oxides, sodium nitrite and sodium oxide
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## 11. Toxicological Information:

- 11.1 Likely routes of exposure:  
Eye contact, skin contact and inhalation are all likely routes of exposure. Ingestion is possible, but less likely.
- 11.2 Symptoms related to physical, chemical and toxicological characteristics: Refer to section 4.2
- 11.3 Delayed and immediate effects and also chronic effects from short- and long-term exposure: Refer to section 4.2
- 11.4 Numerical measures of toxicity: This mixture has not been tested for health effects or toxicity as a whole. Information for each ingredient is provided below. The GHS classification for this product has been calculated from the values of components in this mixture.

Acute toxicity:

No data available

Skin corrosion/irritation:

No data available

Serious eye damage/irritation:

Eyes - Rabbit Result: Eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitization:

No data available

Germ cell mutagenicity:

No data available

Reproductive toxicity:

No data available

Specific target organ toxicity – single exposure:

No data available

Specific target organ toxicity – repeated exposure:

No data available

Aspiration hazards:

No data available

Carcinogenicity:

This product does not contain any compounds that are classifiable to carcinogenicity based on NTP, ACGIH, IARC, or OSHA classification.

## 12. Ecological Information:

This product has not been tested for the ecological considerations listed below. The information and data for components are listed individually for areas of ecological consideration below.

- 12.1 Ecotoxicity:  
No data available
- 12.2 Persistence and degradability:  
In aqueous compartments, the substance will dissociate into sodium and nitrate ions. Sodium ions are not subject to further degradation. Under anoxic conditions, nitrate is subjected to denitrification and is ultimately converted into molecular nitrogen as part of the nitrogen cycle. Nitrate and other oxyanion impurities are likely to be found in oxic compartments.
- 12.3 Bioaccumulative potential: Sodium nitrate has a low potential for bioaccumulation based on physiochemical properties (high water solubility)
- 12.4 Mobility in soil: Nitrate has a low potential for adsorption. Portion not taken up by plants can leach into groundwater. Sodium can participate in ion exchange processes.
- 12.5 Other adverse effects: Excess nitrate leaching may enrich waters leading to eutrophication.
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## 13. Disposal Consideration

- 13.1 Product  
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Determine waste status prior to disposal in accordance with federal, state and local regulations.
- 13.2 Contaminated packaging  
Dispose of as unused product
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## 14. Transport Information

Note: The shipping classification in this section is meant as a guide to overall classification of the product. However, transportation classifications may be subject to change with changes in package size. Consult shipper requirements under 49 CFR, IATA and IMDG to assure regulatory compliance.

- 14.1 DOT (US)  
UN Number: 1498  
UN proper shipping Name: Sodium Nitrate  
Transport hazard class: 5.1  
Packaging group: III
- 14.2 IMDG UN number: 1498  
Class: 5.1  
Packing group: III  
EMS-No: F-A, S-Q  
Proper shipping name: Sodium Nitrate

14.3 IATA  
UN number: 1498  
Class: 5.1  
Packing group: III  
Proper shipping name: Sodium nitrate

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## 15. Regulatory Information

- 15.1 SARA 302 components:  
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
- 15.2 SARA 313 components:  
Sodium nitrate – N511 Nitrate compounds (water dissociable; reportable only when in aqueous solution)
- 15.3 SARA 311/312 hazards:  
Reactivity hazard
- 15.4 New Jersey Right to Know components:  
Sodium nitrate
- 15.5 Pennsylvania Right to Know components:  
Sodium nitrate
- 15.6 Massachusetts Right to Know components:  
Sodium nitrate
- 15.7 California Prop. 65 components:  
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
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## 16. Other Information

- 16.1 Preparation information:  
Revision: Original  
Revision date: 3/11/2015  
Approval date: 3/24/2015  
Replaces revision: None  
Replaces revision date: None  
SDS code: R074
- 16.2 Further information:  
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of knowledge and is applicable to the product with regard to appropriate safety precautions. No expressed or implied warranty is made with regard to the accuracy of such data or its suitability for a given situation. Such data relates only to the specific product and not to such product in combination with any other product. Ameri-Pac, Inc. disclaims all liability for actions taken for forgone reliance of such data.