

## **Scientific Documentation**

## Sodium Nitrate, Granular, FCC

Not appropriate for regulatory submission. Please visit www.spectrumchemical.com or contact Tech Services for the most up-to-date information contained in this information package.

Spectrum Chemical Mfg Corp 769 Jersey Avenue New Brunswick, NJ 08901 Phone 732.214.1300





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Product Specification Certificate of Analysis Safety Data Sheet (SDS) Certification of Current Good Manufacturing Practices (cGMP) Manufacturing Process Flowchart Technical Statements General Label Information – Sample Label



# **Specification for Sodium Nitrate, Granular, FCC** (SO183)

| Item Number       | SO183                         |
|-------------------|-------------------------------|
| Item              | Sodium Nitrate, Granular, FCC |
| CAS Number        | 7631-99-4                     |
| Molecular Formula | NaNO <sub>3</sub>             |
| Molecular Weight  | 84.99                         |
| MDL Number        |                               |
| Synonyms          |                               |

| Test                       | Specification |              |
|----------------------------|---------------|--------------|
|                            | Min           | Max          |
| ASSAY (NaNO3; DRIED BASIS) | 99.0          | 100.5 %      |
| LEAD (Pb)                  |               | 4 mg/kg      |
| TOTAL CHLORINE             |               | TO PASS TEST |
| IDENTIFICATION             |               | TO PASS TEST |
| RETEST DATE                |               |              |
| DATE OF MANUFACTURE        |               |              |
| APPEARANCE                 |               |              |

#### Spectrum Chemical Mfg Corp

| Corporate Headquarters: | West Coast Facility:   |
|-------------------------|------------------------|
| 769 Jersey Ave.         | 14422 S. San Pedro St. |
| New Brunswick, NJ 08901 | Gardena, CA 90248      |
| 732.214.1300            | 310.516.8000           |



## **Certificate Of Analysis**

| Item Number       | SO183                         | Lot Number       | 2LI0057   |
|-------------------|-------------------------------|------------------|-----------|
| Item              | Sodium Nitrate, Granular, FCC | CAS Number       | 7631-99-4 |
| Molecular Formula | NaNO <sub>3</sub>             | Molecular Weight | 84.99     |

| тгст                                    | SPECIFICATION |              |  |
|---|---------------|--------------|--|
| TEST                                    | MIN           | MAX          | RESULT                                     |
| ASSAY (NaNO <sub>3</sub> ; DRIED BASIS) | 99.0          | 100.5 %      | 99.4 %                                     |
| LEAD (Pb)                               |               | 4 mg/kg      | 0.01 mg/kg                                 |
| TOTAL CHLORINE                          |               | TO PASS TEST | PASSES TEST                                |
| IDENTIFICATION                          |               | TO PASS TEST | PASSES TEST                                |
| RETEST DATE                             |               |              | 03-FEB-2025                                |
| DATE OF MANUFACTURE                     |               |              | 03-FEB-2022                                |
| APPEARANCE                              |               |              | WHITE TO COLORLESS CRYSTALLINE<br>GRANULES |

Certificate of Analysis Results Entered By:

SVANGOOR Swetha Vangoor 22-SEP-22 07:42:03

Spectrum Chemical Mfg Corp 755 Jersey Avenue New Brunswick 08901 NJ



Certificate of Analysis Results Approved By:

BPATEL Bhargavi Patel 22-SEP-22 07:51:32

All pharmaceutical ingredients are tested using current edition of applicable pharmacopeia.

Read and understand label and SDS before handling any chemicals. All Spectrum's chemicals are for manufacturing, processing, repacking or research purposes by experienced personnel only. It is the customer's responsibility to provide adequate hazardous material training and ensure that appropriate Personal Protective Equipment (PPE) is used before handling any chemical.

## **SAFETY DATA SHEET** spectrum®

Revision date 28-January-2022

| 1. Identification  |                               |
|--|-------------------------------|
| Product identifier   |                               |
| Product Name   | SODIUM NITRATE, GRANULAR, FCC |
| Other means of identification  |                               |
| Product Code(s)  | SO183                         |
| UN/ID no   | UN1498                        |
| Synonyms   | None                          |
| Recommended use of the chemica   | l and restrictions on use     |
| Recommended use  | No information available      |
| Restrictions on use  | No information available      |
| Details of the supplier of the safety  | v data sheet                  |
| Supplier Address<br>Spectrum Chemical Mfg. Corp.<br>14422 South San Pedro St.<br>Gardena, CA 90248<br>(310) 516-8000 |                               |
| Emergency telephone number   |                               |
| Emergency Telephone  | Chemtrec 1-800-424-9300       |

Chemtrec 1-800-424-9300

#### 2. Hazard(s) identification

#### Classification

| Acute toxicity - Oral             | Category 4  |
|-----------------------------------|-------------|
| Serious eye damage/eye irritation | Category 2B |
| Oxidizing solids                  | Category 3  |

#### Hazards not otherwise classified (HNOC)

Not applicable

#### Label elements

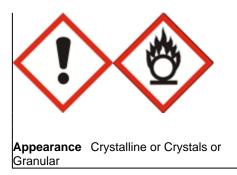
Warning

Hazard statements Harmful if swallowed

Causes eye irritation May intensify fire; oxidizer



**Revision Number** 3



Physical state Solid

Odor Odorless

#### **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Keep away from heat Keep/Store away from clothing/ combustible materials Take any precaution to avoid mixing with combustibles Wear protective gloves/eye protection/face protection

#### **Precautionary Statements - 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/attention IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell Rinse mouth In case of fire: Use CO2, dry chemical, or foam to extinguish

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### Other information

No information available.

#### 3. Composition/information on ingredients

#### Substance

| Chemical name  | CAS No    | Weight-% | Trade secret |
|----------------|-----------|----------|--------------|
| Sodium Nitrate | 7631-99-4 | 100      | *            |

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

#### 4. First-aid measures

#### **Description of first aid measures**

| General advice | 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. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Skin contact   | IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.   |
| Ingestion      | Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water.<br>Never give anything by mouth to an unconscious person. Call a physician.  |

| Self-protection of the first aider   | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. |  |
|--|---|--|
| Most important symptoms and effe   | cts, both acute and delayed   |  |
| ymptoms No information available.  |   |  |
| Indication of any immediate medical attention and special treatment needed |   |  |

**Note to physicians** Treat symptomatically.

## 5. Fire-fighting measures

| Suitable Extinguishing Media<br>Large Fire        | Use water. Do not use dry chemicals or foams. $CO_2$ or Halon may provide limited control.<br>Flood fire area with water from a distance. Move containers from fire area if you can do it<br>without risk. Cool containers with flooding quantities of water until well after fire is out.<br>CAUTION: Use of water spray when fighting fire may be inefficient.  |
|---|---|
| Unsuitable extinguishing media                    | Dry chemical. Foam.   |
| Specific hazards arising from the chemical        | These substances will accelerate burning when involved in a fire. Some may decompose explosively when heated or involved in a fire. May ignite combustibles (wood paper, oil, clothing, etc.). Runoff may create fire or explosion hazard.  |
| Explosion data<br>Sensitivity to mechanical impac | ct none.  |
| Sensitivity to static discharge                   | yes.  |
| Special protective equipment for fire-fighters    | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. Do not move cargo or vehicle if cargo has been exposed to heat. oxidizer. May ignite combustibles (wood paper, oil, clothing, etc.). Move containers from fire area if you can do it without risk. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. ALWAYS stay away from tanks engulfed in fire. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible withdraw from area and let fire burn. |

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

| Personal precautions           | Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See section 8 for more information. Stop leak if you can do it without risk. Use personal protective equipment as required. |
|--------------------------------|--|
| Other information              | Keep combustibles (wood, paper, oil, etc) away from spilled material. DO NOT GET WATER on spilled substance or inside containers. Ventilate the area. Refer to protective measures listed in Sections 7 and 8.   |
| Methods and material for conta | ainment and cleaning up  |
| Methods for containment        | Stop leak if you can do it without risk. Cover with DRY earth, DRY sand or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain.  |
| Methods for cleaning up        | With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Flush area with flooding quantities of water. Prevent product from entering drains. Cover powder spill with plastic sheet or tarp to minimize spreading and   |

#### 7. Handling and storage

#### Precautions for safe handling

| Advice on safe handling                                      | Use personal protection equipment. Avoid contact with skin, eyes or clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Use with local exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice. |  |
|--|---|--|
| Conditions for safe storage, including any incompatibilities |   |  |

Storage ConditionsDeliquescent. Protect from moisture. Keep containers tightly closed in a dry, cool and<br/>well-ventilated place. Keep in properly labeled containers. Do not store near combustible<br/>materials. Store in accordance with the particular national regulations. Store in accordance<br/>with local regulations. Keep out of the reach of children.

#### 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. |  |  |
|---|--|--|--|
| Appropriate engineering controls                                      |  |  |  |
| Engineering controls  | Showers<br>Eyewash stations<br>Ventilation systems.  |  |  |
| Individual protection measures, such as personal protective equipment |  |  |  |
| Eye/face protection   | Tight sealing safety goggles.  |  |  |
| Hand protection   | Wear suitable gloves. Impervious gloves.   |  |  |
| Skin and body protection  | Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Wear fire/flame resistant/retardant clothing.  |  |  |
| Respiratory protection  | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.   |  |  |
| General hygiene considerations  | Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing.    |  |  |

#### 9. Physical and chemical properties

Information on basic physical and chemical properties

| Physical state<br>Appearance<br>Color<br>Odor<br>Odor threshold | Solid<br>Crystalline or Crystals or Granular<br>White; Colorless<br>Odorless<br>No information available |                  |
|---|--|------------------|
| Property_   | Values   | Remarks • Method |
| рН  | no data available  | None known       |
| Melting point / freezing point                                  | 306 - 308 °C / 582.8 - 586.4<br>°F   | None known       |
| Boiling point / boiling range                                   | no data available  | None known       |
| Flash point   | no data available  | None known       |
| Evaporation rate  | no data available  | None known       |
| Flammability (solid, gas)                                       | no data available  | None known       |
| Flammability Limit in Air                                       |  | None known       |
| Upper flammability or explosive limits                          | No data available  |                  |
| Lower flammability or explosive<br>limits                       | No data available  |                  |
| Vapor pressure  | No data available  | None known       |
| Vapor density   | no data available  | None known       |
| Relative density  | 2.26   | None known       |
| Water solubility  | Soluble in water   | None known       |
| Solubility(ies)   | Slightly soluble in Methanol<br>Slightly soluble in Acetone  | None known       |
| Partition coefficient   | -3.8   | None known       |
| Autoignition temperature  | no data available  | None known       |
| Decomposition temperature                                       | 380 - °C 716 °F  | None known       |
| Kinematic viscosity   | no data available  | None known       |
| Dynamic viscosity   | No data available  | None known       |
| Other information<br>Explosive properties                       | No information available   |                  |
| Oxidizing properties  | No information available   |                  |
| Softening point   | No information available   |                  |
| Molecular weight  | 84.99  |                  |
| VOC Content (%)   | No information available   |                  |
| Liquid Density  | No information available   |                  |
| Bulk density  | No information available   |                  |
| Eant actiony  |  |                  |

### 10. Stability and reactivity

| Reactivity   | Oxidizer.   |  |
|--|---|--|
| Chemical stability   | May cause fire or explosion; strong oxidizer.         |  |
| Possibility of hazardous reactions   | None under normal processing.                         |  |
| Conditions to avoid Heat, flames and sparks. Incompatible materials.       |   |  |
| Incompatible materials   | Organic material. Combustible material. Hydrocarbons. |  |
| Hazardous decomposition products None known based on information supplied. |   |  |

### 11. Toxicological information

Information on likely routes of exposure

**Product Information** 

Inhalation

Specific test data for the substance or mixture is not available.

Eye contact

Specific test data for the substance or mixture is not available. Causes eye irritation. May

|  | cause redness, itching, and pain.  |  |
|--|--|--|
| Skin contact   | Specific test data for the substance or mixture is not available.  |  |
| Ingestion  | Specific test data for the substance or mixture is not available. Harmful if swallowed. (based on components). |  |
| Symptoms related to the physical, chemical and toxicological characteristics |  |  |

Symptoms

May cause redness and tearing of the eyes.

Acute toxicity

#### Numerical measures of toxicity

| Chemical name  | Oral LD50          | Dermal LD50             | Inhalation LC50 |
|----------------|--------------------|-------------------------|-----------------|
| Sodium Nitrate | = 1267 mg/kg (Rat) | = 2680 mg/kg ( Rabbit ) | -               |
| 7631-99-4      |                    |                         |                 |

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

| Skin corrosion/irritation<br>Serious eye damage/eye irritation<br>Respiratory or skin sensitization<br>Germ cell mutagenicity | May cause skin irritation.<br>Classification based on data available for ingredients. Irritating to eyes.<br>No information available.<br>No information available. |
|---|---|
| Reproductive toxicity   | No information available.   |
| STOT - single exposure<br>STOT - repeated exposure<br>Aspiration hazard   | No information available.<br>No information available.<br>No information available.   |
| Other adverse effects   | No information available.   |
| Interactive effects   | No information available.   |

### 12. Ecological information

|                             | -                    |  |                               |           |
|-----------------------------|----------------------|--|-------------------------------|-----------|
| Chemical name               | Algae/aquatic plants | Fish   | Toxicity to<br>microorganisms | Crustacea |
| Sodium Nitrate<br>7631-99-4 | -                    | LC50: 994.4 - 1107mg/L<br>(96h, Oncorhynchus<br>mykiss) LC50:<br>=2000mg/L (96h, | -                             | -         |
|                             |                      | Lepomis macrochirus)   |                               |           |

| Persistence and degradability | N  |
|-------------------------------|----|
| Bioaccumulation               | In |

No information available. Inherently biodegradable.

#### **Component Information**

| Chemical name  | Partition coefficient |
|----------------|-----------------------|
| Sodium Nitrate | -3.8                  |
| 7631-99-4      |                       |

Other adverse effects

No information available.

## 13. Disposal considerations

#### Waste treatment methods

Waste from residues/unused<br/>productsShould not be released into the environment. Dispose of in accordance with local<br/>regulations. Dispose of waste in accordance with environmental legislation.Contaminated packagingDo not reuse empty containers.

#### 14. Transport information

DOT

| DOT<br>UN/ID no<br>Proper Shipping Name:<br>Hazard class<br>Packing group:<br>Special Provisions<br>Marine Pollutant<br>Description:<br>Emergency Response Guide<br>Number | UN1498<br>Sodium nitrate<br>5.1<br>III<br>A1, A29, B120, IB8, IP3, T1, TP33, W1<br>Severe Marine Pollutant<br>UN1498, Sodium nitrate, 5.1, III<br>140 |
|--|---|
| <u>TDG</u><br>UN-No:<br>Proper Shipping Name:<br>Hazard class<br>Packing Group:<br>Description:  | UN1498<br>Sodium nitrate<br>5.1<br>III<br>UN1498, Sodium nitrate, 5.1, III  |
| <u>MEX</u><br>UN-No<br>Proper Shipping Name<br>Hazard class<br>Packing Group<br>Description  | UN1498<br>Sodium nitrate<br>5.1<br>III<br>UN1498, Sodium nitrate, 5.1, III  |
| ICAO (air)<br>UN-No:<br>Proper Shipping Name:<br>Hazard class<br>Packing Group:<br>Description:  | UN1498<br>Sodium nitrate<br>5.1<br>III<br>UN1498, Sodium nitrate, 5.1, III  |
| IATA_<br>UN number<br>Proper Shipping Name:<br>Transport hazard class(es)<br>Packing group<br>Description:   | UN1498<br>Sodium nitrate<br>5.1<br>III<br>UN1498, Sodium nitrate, 5.1, III  |
| IMDG<br>UN number<br>Proper shipping name<br>Transport hazard class(es)<br>Packing group<br>EmS-No<br>Special Provisions<br>Marine pollutant<br>Description                | UN1498<br>Sodium nitrate<br>5.1<br>III<br>F-A, S-Q<br>964, 967<br>NP1<br>UN1498, Sodium nitrate, 5.1, III   |
| <u>RID</u><br>UN number<br>Proper Shipping Name:<br>Transport hazard class(es)<br>Packing group  | UN1498<br>Sodium nitrate<br>5.1<br>III  |

| Classification code | 02                               |
|---------------------|----------------------------------|
| Description:        | UN1498, Sodium nitrate, 5.1, III |
| Labels              | 5.1                              |

#### ADR

| 1498                                |
|-------------------------------------|
| Sodium nitrate                      |
| 5.1                                 |
| III                                 |
| O2                                  |
| (E)                                 |
| 1498, Sodium nitrate, 5.1, III, (E) |
| 5.1                                 |
|                                     |
| UN1498                              |
| Sodium nitrate                      |
| 5.1                                 |
| III                                 |
| O2                                  |
| UN1498, Sodium nitrate, 5.1, III    |
|                                     |

## Classification codeO2DescriptionUN1498, SodiumHazard label(s)5.1Limited quantity (LQ)5 kgEquipment RequirementsPP

#### 15. Regulatory information

#### International Inventories

**TSCA** 

Complies

| DSL/NDSL      | Complies   |
|---------------|--|
| EINECS/ELINCS | Complies   |
| ENCS          | This product complies with ENCS:   |
| IECSC         | This product complies with China:  |
| KECL          | Complies   |
| PICCS         | Complies   |
| AICS          | All the constituents of this material are listed on the Australian Inventory of Chemical |
|               | Substances (AICS).   |

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

#### US Federal Regulations

#### <u>SARA 313</u>

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 % |
|----------------------------|-------------------------------|
| Sodium Nitrate - 7631-99-4 | 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.

<u>CWA (Clean Water Act)</u> 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.

#### U.S. State Right-to-Know Regulations

| Chemical name  | New Jersey | Massachusetts | Pennsylvania |
|----------------|------------|---------------|--------------|
| Sodium Nitrate | -          | Present       | Present      |
| 7631-99-4      |            |               |              |

#### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

#### 16. Other information

| HMIS<br>Health hazards<br>Flammability 0<br>Physical hazards<br>Personal protect<br>Chronic Hazard Stat  | emical properties<br>2 *<br>s 1<br>ion X<br>r Legend | * = Chronic Health Hazard |      |                                  |
|--|--|---------------------------|------|----------------------------------|
|  |  | acronyms used in the s    |      |                                  |
| TWA  | TWA (time-weight                                     |                           | STEL | STEL (Short Term Exposure Limit) |
| Ceiling  | Maximum limit va                                     | ue                        |      |                                  |
| 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 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)         Japan GHS Classification         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 Revision Note <u>Disclaimer</u> 28-January-2022 No information available.

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 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

## spectrum

#### Certification of Compliance with current Good Manufacturing Practices

Dear Valued Customer:

Spectrum Chemical Mfg Corp certifies that the following product(s) is produced, processed, packaged and held in compliance with current Good Manufacturing Practices (cGMP) in accordance with the applicable parts of 21 CFR, parts 210 and 211 of the Code of Federal Regulations.

| Catalog Number | Product Name                  |
|----------------|-------------------------------|
| SO183          | Sodium Nitrate, Granular, FCC |

Spectrum is an FDA registered and inspected Drug Establishment. Our United States Food and Drug Administration (USFDA) Registration numbers are as follows:

Spectrum-Gardena, CA: Spectrum-New Brunswick, NJ: 2020632 2246824

Thank you for your interest in Spectrum products. If we may be of further assistance, please feel free to contact the Quality Assurance department at 310-516-8000 or via email at <u>gualityassurance@spectrumchemical.com</u>

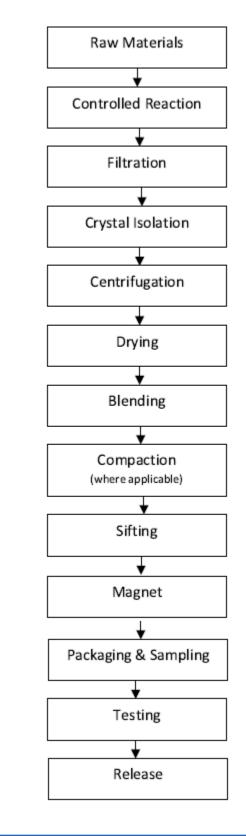
Sincerely,

Oulu Umy

Oralia Chavez Quality Assurance Specialist



## Manufacturing Process Flowchart Sodium Nitrate, Granular, FCC (Cat# SO183)



#### CORPORATE HEADQUARTERS

769 Jersey Avenue

New Brunswick, NJ 08901

PHONE 732.214.1300

FAX 732.246.7132



Gardena, California 90248 PHONE 310.516.8000 FAX 310.516.9843

## spectrum

## SO183, Sodium Nitrate, Granular, FCC

## **Source Statement**

The above mentioned catalog item is manufactured by chemical synthesis. No animal or plant derived products are used in the manufacturing process.

## **BSE/TSE Statement**

The above mentioned catalog item does not contain nor is manufactured using any animal derived products and is therefore, BSE/TSE free.

## Allergen Statement

The above mentioned catalog item does not contain any of the following:

- Milk
- Egg
- Fish
- Shellfish
- Tree Nuts
- Wheat
- Peanuts
- Soy

- Cereals containing Gluten
- Celery
- Mustard
- Sesame Seed
- Corn
- Latex
- Sulfites > 10 ppm

## **EU Fragrance Allergen Statement**

The above mentioned catalog item does not contain any of the 26 EU fragrance allergens listed in Annex III lines 67-92. These substances are not intentionally added to the following chemical and therefore are not expected to be present.

## **GMO Statement**

The above mentioned catalog item is manufactured without the use of genetically modified organisms and is therefore GMO free.

## **Melamine Statement**

The above mentioned catalog does not use or add melamine to the manufacturing process and is considered melamine-free.



### **Nitrosamine Statement**

Based on knowledge of the manufacturing process, nitrosamine impurities are not known or suspected to be present in this material.

## **Animal Testing Statement**

The above mentioned catalog item has not been tested on animals.

## **Organic Compliance Statement**

The above mentioned catalog item has not been produced using GMOs, irradiation, ethylene oxide (EtO) or sewage sludge.

### **Shelf Life Statement**

The above-mentioned catalog item is typically assigned a shelf life of 36 months from the date of manufacture. The actual assigned shelf life for any specific lot should be referenced on the Certificate of Analysis.

## **Other Chemicals Statement**

Spectrum does not have any reason to suspect the above mentioned catalog item contains any of the following chemicals. This product does not come into contact with these chemicals during packaging or storage:

- Aflatoxins
- Antibiotics
- Bisphenol A (BPA)
- CMR Substances

- Parabens
- Pesticides
- Phthalates
- Preservatives

# spectrum®

## **Label Information**

The Spectrum label presents technical and safety information in an easily understood format. Our technical specialists stay abreast of the latest requirements of the Globally Harmonized System for Classification and Labelling of Chemicals (GHS), as well as the Occupational Safety and Health Administration (OSHA), the Food and Drug Administration (FDA) and other government regulatory agencies in order to ensure compliance, accuracy and concise hazard communication. Below you will find a typical label example for this catalog item.

|   |  | NaNO <sub>3</sub>   | F.W. 84.99     |
|---|--|---|----------------|
| <ul> <li>WARNING</li> <li>May intensity fire • Oxidizer • Harmful if swallowed • Causes eye irritation.</li> <li>Keep away from heat • Keep away from clothing, combustible materials • Take any • precaution to avoid mixing with combustibles</li> <li>• Oo not eat, drink or smoke when using this product • Wear protective gloves, eye protection, face protection • Wash face, hands and any • exposed skin thoroughly after handling.</li> <li>• FIRST AID: IF IN EYES: Rinse cautiously with • water for several minutes. Remove contact * lenses, if present and easy to do. Continue</li> </ul> | SO183 SIZ SY<br>Sodium Nitrate<br>Granular<br>FCC<br>CAS 7631-99-4<br>CAUTION: For manufacturing, processing or                      | Assay (NaNO <sub>3</sub> ; Dried Basis)99.0-100.5%<br>MAXIMUM LIMITS<br>Lead4 mg/kg<br>Total ChlorineTo pass test<br>DELIQUESCENT: Keep tightly closed.<br>WARNING: Cancer and Reproductive Harm- |                |
| <ul> <li>* rinsing. If eye irritation persists: Get medical</li> <li>* attention. IF SWALLOWED: Call a POISON<br/>CENTER or physician if you feel unwell.<br/>Rinse mouth. IN CASE OF FIRE: Use water to<br/>extinguish.</li> </ul>   | repacking.<br>Read and understand the label and Safety Data<br>Sheet (SDS) prior to use.<br>DOT: UN1498, Sodium nitrate, 5.1, PG III | www.P65Warnings.ca.gov  |                |
| KEEP FROM CHILDREN  | Chemical Emergency: (800)424-9300<br>www.SpectrumChemical.com  | Y 9/H7GHS ?   | Lot No. XQ#### |

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