

## **Scientific Documentation**

## **Calcium Stearate, NF**

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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## **Specification for Calcium Stearate, NF (CA169)**

Item Number	CA169
Item	Calcium Stearate, NF
CAS Number	1592-23-0
Molecular Formula	
Molecular Weight	
MDL Number	
Synonyms	Octadecanoic Acid Calcium Salt

Test	Specification	1
	Min	Max
CALCIUM (DRIED BASIS)	6.4	7.4 %
STEARIC ACID AND PALMITIC ACID	90.0 %	
STEARIC ACID	40.0 %	
LOSS ON DRYING		4.0 %
ELEMENTAL IMPURITIES:		
LEAD (Pb)	AS REPORTED	
NICKEL (Ni)	AS REPORTED	
COPPER (Cu)	AS REPORTED	
CHROMIUM (Cr)	AS REPORTED	
IDENTIFICATION (A)	POSITIVE FOR CALCIUM	
IDENTIFICATION (B)	RETENTION TIMES CORRESPOND TO STANDARD	
EXPIRATION DATE		
DATE OF MANUFACTURE		
APPEARANCE		
RESIDUAL SOLVENTS	AS REPORTED	
MONOGRAPH EDITION		

#### Spectrum Chemical Mfg Corp

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

#### Spectrum Chemical Mfg Corp

 Corporate Headquarters:
 West Coast Facility:

 732.214.1300
 310.516.8000



## **Certificate Of Analysis**

Item Number	CA169	Lot Number	1NC0122
Item	Calcium Stearate, NF	CAS Number	1592-23-0

TECT	SPECIFICATION		DECLUIT	
TEST	MIN	MAX	RESULT	
CALCIUM (DRIED BASIS)	6.4	7.4 %	7.2 %	
STEARIC ACID AND PALMITIC ACID	90.0 %		98.22 %	
STEARIC ACID	40.0 %		54.35 %	
LOSS ON DRYING		4.0 %	3.2 %	
ELEMENTAL IMPURITIES:				
LEAD (Pb)	AS REPORTED		<2 µg/g	
NICKEL (Ni)	AS REPORTED		<1 µg/g	
COPPER (Cu)	AS REPORTED		<1 µg/g	
CHROMIUM (Cr)	AS REPORTED		<5 μg/g	
IDENTIFICATION (A)	POSITIVE FOR CALCIUM		POSITIVE FOR CALCIUM	
IDENTIFICATION (B)	RETENTION TIMES CORRESPOND TO STANDARD		RETENTION TIME CORRESPONDS TO STANDARD	
EXPIRATION DATE			12-APR-2026	
DATE OF MANUFACTURE			12-APR-2023	
APPEARANCE			FINE WHITE POWDER	
RESIDUAL SOLVENTS	AS REPORTED		NO RESIDUAL SOLVENTS PRESENT	
MONOGRAPH EDITION			(USP-NF) 2023	

Certificate of Analysis Results Entered By:

HBERMUDEZ Hernan Bermudez 25-APR-24 09:12:03

Spectrum Chemical Mfg Corp 14422 South San Pedro Street Gardena 90248 CA



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.

The Elemental Impurities standards implemented by USP and other Pharmaceutical Compendia reflect a growing understanding of the toxicology of trace levels of elemental impurities that can remain in drug substances originating from either raw materials or manufacturing processes. Identifying and quantifying impurities can be critical to predicting the best possible patient outcomes. Elemental Impurities has been a requirement of all products meeting USP/NF, EP and BP monographs since January 1, 2018. More information can be found in USP sections <232> Elemental Impurities – Limits and <233> Elemental Impurities – Procedures. Data for drug substances furnished by Spectrum Chemical Mfg. Corp can be used to ensure that patient daily exposures by oral administration to the selected elements are not exceeded in the formulation of pharmaceutical products.

Certificate of Analysis Results Approved By:

SHANSEN Selin Hansen 26-APR-24 08:45:01

# spectrum®



## SAFETY DATA SHEET

Preparation Date: 1/24/2014	Revision date 11/6/2019	Revision Number: G2
	1. IDENTIFICATION	
Product identifier		
Product code: Product Name:	CA169 CALCIUM STEARATE, NF	
Other means of identification Synonyms:	Octadecanoic Acid, Calcium Salt Calcium distearate Calstar	
CAS #: RTECS # CI#:	1592-23-0 WI3000000 Not available	
Recommended use of the chem	nical and restrictions on use	
Recommended use:	Anti-caking or conditioning agent in certain fo repellant/Waterproofing. Mold release agent.	od products. Water
Uses advised against	No information available	
Supplier:	Spectrum Chemical Mfg. Corp 14422 South San Pedro St. Gardena, CA 90248 (310) 516-8000	
Order Online At: Emergency telephone number Contact Person: Contact Person:	https://www.spectrumchemical.com Chemtrec 1-800-424-9300 Tom Tyner (USA - West Coast) Ibad Tirmiz (USA - East Coast)	

#### 2. HAZARDS IDENTIFICATION

#### **Classification**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

#### Label elements

#### Not classified

Hazards not otherwise classified (HNOC) Not Applicable

#### Other hazards

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS	No	Weight-%
Calcium Stearate	1592-		100
	4. FIRST AID N	MEASURES	
First aid measures			
General Advice:	National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.		
Skin Contact:			water removing all contaminated clothing and ops. Consult a physician if necessary.
Eye Contact:	Flush eyes with water for 15 persist, call a physician.	i minutes. Get me	dical attention if irritation occurs. If symptoms
Inhalation:	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.		
Ingestion:	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.		
Most important symptoms and effect	ts, both acute and delayed		
Symptoms	May cause eye/skin irritation		
Indication of any immediate medical	attention and special treat	ment needed	
Notes to Physician:	Treat symptomatically.		
Protection of first-aiders First-Aid Providers: Avoid exposure to contaminated clothing and equipment a		gloves and other r	ecessary protective clothing. Dispose of
	5. FIRE-FIGHTIN	G MEASURES	
Extinguishing Media Suitable Extinguishing Media:		arbon dioxide (C bam.	CO2). Dry chemical. Water spray mist or
Unsuitable Extinguishing Media:		No information available.	
Specific hazards arising from	the chemical		
Hazardous combustion products	s C	arbon Monoxide	e, Carbon Dioxide. Calcium oxides.
Specific hazards		lay be combusti	ble at high temperatures.
Special Protective Actions for Firefighters			

#### **Specific Methods:**

**Special Protective Equipment for Firefighters:** 

No information available

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency proceduresPersonal Precautions:Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin,<br/>eyes and clothing. Avoid dust formation. Remove all sources of ignition.Environmental precautionsPrevent further leakage or spillage if safe to do so. Prevent product from entering<br/>drains.Methods and material for containment and cleaning upMethods for containmentMethods for containmentStop leak if you can do it without risk. Cover with plastic sheet to prevent<br/>spreading.Methods for cleaning upSweep up and shovel into suitable containers for disposal. Clean contaminated<br/>surface thoroughly.

#### 7. HANDLING AND STORAGE

#### Precautions for safe handling

#### **Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. Keep away from incompatible materials.

#### Safe Handling Advice:

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not ingest. Do not breathe dust. Handle in accordance with good industrial hygiene and safety practice.

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

#### Technical Measures/Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

#### Incompatible Materials:

Acids Alkalis Strong oxidizing agents

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

#### National occupational exposure limits

#### **United States**

Component	CAS No	OSHA	NIOSH	ACGIH	AIHA WEEL
Calcium Stearate	1592-23-0	None	None	None	None

#### Canada

Component	CAS No	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Calcium Stearate	1592-23-0	None	None	None	None

#### Australia and Mexico

Component	CAS No	Australia	Mexico
Calcium Stearate	1592-23-0	None	None

#### Appropriate engineering controls

#### Engineering measures to reduce exposure:

Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

#### Individual protection measures, such as personal protective equipment

#### **Personal Protective Equipment**

Eye protection:	Safety glasses with side-shields. or Goggles
Skin and body protection:	Long sleeved clothing Chemical resistant apron Gloves
Respiratory protection:	Effective dust mask. or. Wear respirator with dust filter. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds), inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.
Hygiene measures:	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product When using, do not eat, drink or smoke.

<b>Physical state:</b>	Appearance:	<b>Color:</b>
Solid	Powder.	White. Off-white. Yellowish White.
<b>Odor:</b>	<b>Taste</b>	<b>Formula</b>
No information available.	No information available.	No information available
Molecular/Formula weight (g/mole)	: Flammability (solid, gas)	Flashpoint (°C/°F):
No information available	no data available	No information available
Flash Point Tested according to:	Autoignition Temperature (°C/°F):	Lower Explosion Limit (%):
Not available	No information available	No information available
<b>Upper Explosion Limit (%):</b>	<b>Melting point/range(°C/°F):</b>	Decomposition temperature(°C/°F):
No information available	140-179 °C/284-354.2 °F	No information available
Boiling point/range(°C/°F):		

Product code: CA169

No information available

**Specific gravity:** No information available

**Evaporation rate:** No information available

Odor threshold (ppm): No information available

Miscibility: No information available Bulk density: No information available

**pH** No information available

Vapor density: No information available

Partition coefficient (n-octanol/water): No information available

Solubility: Very slightly soluble in water Solubility in Water: 17% at 10°C; 23% at 20°C; 28% at 37°C Insoluble in Ether Insoluble in Alcohol

**10. STABILITY AND REACTIVITY** 

Reactivity Reactive with acids Reactive with alkalis Reactive with oxidizing agents

**Chemical stability** Stability: Stable under recommended storage conditions. Possibility of Hazardous Reactions: Hazardous polymerization does not occur Conditions to avoid: Heat. Avoid dust formation. Incompatible materials. Incompatible Materials: Acids Alkalis Strong oxidizing agents Carbon monoxide. Carbon dioxide. Calcium oxides. When heated to Hazardous decomposition products: decomposition it emits acrid smoke and irritating fumes. Other Information No information available Corrosivity:

Special Remarks on Corrosivity: No information available

#### **11. TOXICOLOGICAL INFORMATION**

#### Information on likely routes of exposure

**Principal Routes of Exposure:** Ingestion. Inhalation.

#### Acute Toxicity

#### **Component Information**

Product code: CA169

**Density (g/cm3):** No information available

Vapor pressure @ 20°C (kPa): No information available

**VOC content (g/L):** No information available

Viscosity: No information available

Calcium Stearate	
CAS No	1592-23-0

LD50/oral/rat = > 10 g/kg Oral LD50 Rat LD50/oral/mouse = >10000 mg/kg LD50/dermal/rabbit = No information available LD50/dermal/rat = No information available LC50/inhalation/rat = No information available LC50/inhalation/mouse = No information available Other LD50 or LC50information = No information available

#### **Product Information**

LD50/oral/rat = Value - Acute Toxicity = > 10000 mg/kg

LD50/oral/mouse = Value - Acute Tox = >10000 mg/kg

LD50/dermal/rabbit Value - Acute Toxicity = No information available

LD50/dermal/rat VALUE - Acute Tox = No information available

LC50/inhalation/rat VALUE-Vapor = No information available VALUE-Gas = No information available VALUE-Dust/Mist = No information available

_C50/Inhalation/mouse					
VALUE-Vapor = No information available					
VALUE - Gas = No information available					
VALUE - Dust/Mist = No information available					

Symptoms

Skin Contact:	May cause skin irritation.		
Eye Contact:	May cause eye irritation.		
Inhalation	May cause irritation of respiratory tract. Symptoms may include cough sneezing.	hing and	d
Ingestion	Health injuries are not known or expected under normal use. Not exp health hazard.	ected to	be a
Aspiration hazard	No information available.		
Delayed and immediate effects a	s well as chronic effects from short and long-term exposure		
Chronic Toxicity	No information available.		
Sensitization:	No information available.		
Mutagenic Effects:	No information available		
Product code: CA169	Product name: CALCIUM STEARATE, NF	Page	6 / 11

#### Carcinogenic effects:

No information available.

Component	CAS No	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Calcium Stearate	1592-23-0	Not listed	A4 - Not Classifiable as a Human Carcinogen by ACGIH (for stearates)	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity	No data is available			
Reproductive Effects:	No information available			
Developmental Effects:	No information available			
Teratogenic Effects:	No information available			

Specific Target Organ Toxicity

STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target Organs:	No information available.

#### **12. ECOLOGICAL INFORMATION**

#### Ecotoxicity

Ecotoxicity effects:	No data available.			
Persistence and degradability:	No information available			
Bioaccumulative potential:	No information available.			
Mobility in soil Other adverse effects	No information available No information available.			

#### **13. DISPOSAL CONSIDERATIONS**

#### **Disposal Methods**

#### Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

#### Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

Product code: CA169

Component	CAS No	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Calcium Stearate	1592-23-0	None	None	None	None

## **14. TRANSPORT INFORMATION**

#### DOT

DOT	
UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class	No information available
	No information available
Subsidiary Class	
Packing group:	No information available
Emergency Response Guide	No information available
Number	
Marine Pollutant	No data available
DOT RQ (lbs):	No information available
Special Provisions	No Information available
Symbol(s):	No information available
Description:	No information available
TDC (Canada)	
TDG (Canada)	Net Devulated
UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class	No information available
Subsidiary Risk:	No information available
Packing Group:	No information available
Marine Pollutant	No Information available
Description:	No information available
Description.	
ADR	
UN Number	Not regulated
Proper Shipping Name:	No information available
Transport hazard class(es)	No information available
Packing group	No information available
Subsidiary Risk:	No information available
IMDG	
UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class:	No information available
Subsidiary Risk:	No information available
Packing Group:	No information available
Marine Pollutant	No information available
Marine Fondant	
RID	
UN Number	Not Regulated
Proper Shipping Name:	No information available
Troper Shipping Name.	No information available
Transport hazard class(es)	
Subsidiary Risk:	No information available
Packing group	No information available
ICAO (air)	
UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class	No information available
Subsidiary Risk:	No information available
Packing Group:	No information available

ΙΑΤΑ	
UN Number	Not Regulated
Proper Shipping Name:	No information available
Transport hazard class(es)	No information available
Subsidiary Risk:	No information available
Packing group	No information available
Precautionary Statements -	No information available
Response	
Special Provisions	No information available

#### **15. REGULATORY INFORMATION**

#### International Inventories

Component	CAS No	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	China IECSC	Australia (AICS)	EINECS-No.
Calcium Stearate	1592-23-0	PresentACTIV E	Present KE-26347	Present	Present (9)-1677,(2)-6 11	Present	Present	Present 216-472-8

#### **U.S. Regulations**

#### Calcium Stearate

#### FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 184.1229

FDA - Direct Food Additives 21 CFR 173.340

**FDA - 21 CFR - Total Food Additives** 169.179, 172.863, 173.340, 175.300, 177.2410, 177.2600, 178.1010, 178.2010, 179.45, **List Sourced from EAFUS** 181.29, 184.1229

#### California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

#### Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

#### Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Component	CAS No	Carcinogen	Developmental Toxicity		Female
					Reproductive Toxicity:
Calcium Stearate	1592-23-0	Not Listed	Not Listed	Not Listed	Not Listed

#### CERCLA/SARA

Component	CAS No	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Calcium Stearate	1592-23-0	None	None	None	None	None

#### U.S. TSCA

Component		TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Calcium Stearate	1592-23-0	Not Applicable	Not Applicable

#### Canada

#### WHIMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification

Not a dangerous product according to HPR classification criteria.

Component Calcium Stearate 1592-23-0 (100)

Information:

WHMIS 2015 Hazard Classification Combustible Dust - Category 1: May form combustible dust concentrations in air (factors such as combustibility and explosiveness of dusts including composition and shape and size of particles could cause substance to belong to 'Combustible dust' hazard class)

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

#### DSL/NDSL

Component	CAS No	Canada (DSL)	Canada (NDSL)
Calcium Stearate	1592-23-0	Present	Not Listed

Component	CAS No	CEPA Schedule I - Toxic Substances
Calcium Stearate	1592-23-0	Not listed
Component		CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Calcium Stearate	1592-23-0	Not listed

#### EU Classification

#### EU GHS - SV - CLP 1272/2008

	CAS No	EU GHS - SV - CLP (1272/2008)
Calcium Stearate	1592-23-0	

#### EU - CLP (1272/2008)

#### R-phrase(s)

not determined (not applicable)

#### S -phrase(s)

none

Component	CAS No	 Concentration Limits:	Safety Phrases
Calcium Stearate	1592-23-0	No information	

The product is classified in accordance with Annex VI to Directive 67/548/EEC

4 9

#### Indication of danger: None Not dangerous

#### **16. OTHER INFORMATION**

Preparation Date:	1/24/201
Revision date	11/6/201

Prepared by:	Sonia Owen
Disclaimer:	All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

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
CA169	Calcium Stearate, NF

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>qualityassurance@spectrumchemical.com</u>

Sincerely,

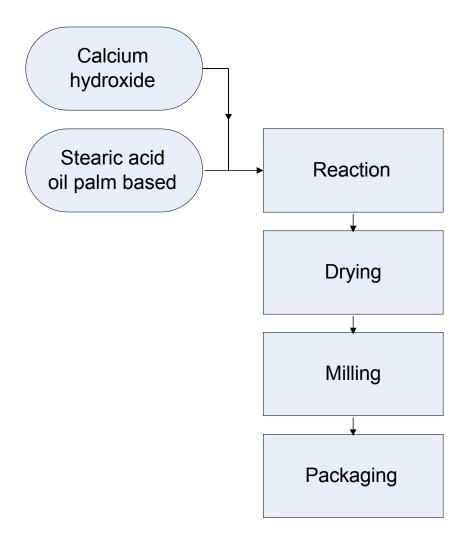
Oulu Umy

Oralia Chavez Quality Assurance Specialist



## **Manufacturing Process Flowchart**

## Calcium Stearate, NF - CA169



#### Spectrum Chemical Mfg Corp

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

## spectrum

## CA169, Calcium Stearate, NF

### **Source Statement**

The above mentioned catalog item is manufactured by chemical synthesis using plant derived material from Palm Oil. No animal 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
- 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

#### RE: Elemental Impurities - Calcium Stearate, NF (Cat# CA169)

To Whom It May Concern:

Thank you for your interest in Spectrum high quality chemicals.

The above material complies with the USP<232>, <233> Elemental Impurities and the ICH Q3D Elemental Impurities Guideline. The following elemental impurities are likely to be present:

Elemental Impurity		Class	Expected Concentration
Cadmium	Cd	1	< 1 ppm
Lead	Pb	1	< 2 ppm
Arsenic	As	1	< 3 ppm
Cobalt	Со	2A	< 1 ppm
Vanadium	V	2A	< 1 ppm
Lithium	Li	3	< 1 ppm
Antimony	Sb	3	< 1 ppm
Barium	Ва	3	< 1 ppm
Molybdenum	Мо	3	< 5 ppm
Copper	Cu	3	< 1 ppm
Tin	Sn	3	< 1 ppm
Chromium	Cr	3	< 5 ppm

Other elemental impurities considered by USP <232>, <233> and ICH Q3D which are not addressed in the above mentioned table are not likely to be present. These substances are not used in the production process, are not intentionally added or known to be present in the above mentioned material.

This information is subject to change and is intended for risk assessment only. It is responsibility of the end user to evaluate suitability of any chemical for the intended use as well as to assess compound-specific limits of daily intake of metal impurities. For lot-specific information, please refer to the respective Certificate of Analysis.

If you have any further questions, please contact us by telephone at 1(800)772-8786 Option 2, or by email at <u>TechServices@spectrumchemical.com</u>.

Sincerely,

Technical Services Spectrum Chemical Mfg. Corp.

This document has been produced electronically and is valid without a signature.

#### CORPORATE HEADQUARTERS

769 Jersey Avenue New Brunswick, NJ 08901 PHONE 732.214.1300 FAX 732.246.7132

#### WEST COAST FACILITY

14422 South San Pedro Street Gardena, California 90248 PHONE 310.516.8000 FAX 310.516.9843

AN ISO 9001:2015 REGISTERED COMPANY

www.spectrumchemical.com

## spectrum

#### RE: Residual Solvents - Calcium Stearate, NF (Cat# CA169)

To Whom It May Concern:

Thank you for your interest in Spectrum high quality chemicals.

The above mentioned catalog item complies with the requirements of the USP <467> Residual Solvents and the ICH Q3C Residual Solvents Guideline. No Class 1, Class 2, Class 3 or other solvents are used or produced in the manufacture of this product.

For lot-specific information, please refer to the respective Certificate of Analysis.

If you have any further questions, please contact us by telephone at 1(800)772-8786 Option 2, or by email at <u>TechServices@spectrumchemical.com</u>.

Sincerely,

Technical Services Spectrum Chemical Mfg. Corp.

This document has been produced electronically and is valid without a signature.

#### CORPORATE HEADQUARTERS

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AN ISO 9001:2015 REGISTERED COMPANY

www.spectrumchemical.com

## **spectrum**<sup>®</sup>

## 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.

Vegetable origin.

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**USE CARE:** This material has been evaluated per GHS/OSHA criteria and is not classified as hazardous. All chemicals may pose unknown hazards and must be used with caution. Use personal protection and safe handling methods consistent with proper workplace safety practices. Consult SDS for additional properties and precautions. If adverse reaction occurs seek medical attention.

**KEEP FROM CHILDREN** 

## **CA169** SIZ SY **Calcium Stearate**

(Octadecanoic Acid Calcium Salt)

NF

CAS 1592-23-0

CAUTION: For manufacturing, processing or repacking.

Read and understand the label and Safety Data Sheet (SDS) prior to use.

Chemical Emergency: (800)424-9300 www.SpectrumChemical.com

Calcium (Dried Basis) ..... 6.4-7.4% Stearic Acid and Palmitic Acid ..... ..... Min. 90.0% Stearic Acid .....? MAXIMUM LIMITS Loss on Drying ......4.0% Elemental Impurities ..... As reported Residual Solvents ......To pass test

WARNING: Cancer and Reproductive Harmwww.P65Warnings.ca.gov

Lot No. XQ#### G 12/H2GHS 2

#### Spectrum Chemical Mfg Corp

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