

# SAFETY DATA SHEET

## NITRO PLUS 9 (California)

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Revision: 04/27/2021  
Supersedes Revision: 03/03/2021

### 1. Product and Company Identification

**Product Code:** Z-NITRO9CA  
**Product Name:** NITRO PLUS 9 (California)  
**Trade Name:** NITRO PLUS 9; NITRO 9; NITRO PLUS 9-0-0; 9-0-0; 9-0-0-8Ca  
**Company Name:** Stoller  
**Phone Number:** 1 (713)461-1493  
9090 Katy Freeway  
Suite 400  
Houston, TX 77024  
**Web site address:** www.stollerusa.com  
**Email address:** compliance@stollerusa.com  
**Emergency Contact:** Chemtrec, In the US and Canada call 1 (800)424-9300  
Chemtrec, From other countries call +1 (703)527-5283  
**Information:** 1 (800)539-5283  
**Synonyms:** Solution of urea and calcium salts.

### 2. Hazards Identification

**Serious Eye Damage/Eye Irritation, Category 2B**

**Acute Toxicity: Skin, Category 5**

**Acute Toxicity: Inhalation, Category 5**

**Acute Toxicity: Oral, Category 4**



**GHS Signal Word:** **Warning**

**GHS Hazard Phrases:** H302 - Harmful if swallowed.  
H313 - May be harmful in contact with skin.  
H320 - Causes eye irritation.  
H333 - May be harmful if inhaled.

**GHS Precautionary Phrases:** P264 - Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.

**GHS Response Phrases:** P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
P330 - Rinse mouth.  
P337+313 - If eye irritation persists, get medical advice/attention.

**GHS Storage and Disposal Phrases:** P501 - Dispose of contents/container to permitted waste facility.

**Potential Health Effects (Acute and Chronic):** Acute: Depending on the duration of contact, overexposure can irritate the eyes, skin, mucous membranes and any other exposed tissue.

Chronic: Not known. Expected toxicity hazard: slight.

**Inhalation:** May be harmful if inhaled.

Prolonged exposure to low concentrations of vapors may cause sore throat, headache, nausea and dizziness.

**Skin Contact:** May cause discomfort, skin irritation or rash unless treated promptly.

**Eye Contact:** Contact with product may cause redness, slight to severe eye irritation.

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**Ingestion:** May cause malaise, nausea, burning sensation in stomach, gastrointestinal damage.

### 3. Composition/Information on Ingredients

CAS #	Components (Chemical Name)	Concentration	RTECS #
57-13-6	Urea	<25.0 %	YR6250000
10043-52-4	Calcium chloride	<65.0 %	EV9800000

### 4. First Aid Measures

<b>Emergency and First Aid Procedures:</b>	Victims of severe exposure to chemicals must be taken to health providing centers for medical attention. Always bring with victim a copy of label and SDS of product to health professional.
<b>In Case of Inhalation:</b>	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.  Move patient to fresh air. Supplemental oxygen may be needed. Assure mucous does not obstruct airways. Seek medical attention if victim's breathing becomes difficult.
<b>In Case of Skin Contact:</b>	Wipe off product and immediately wash affected area with abundant soap and water. Remove contaminated clothing taking care not to impregnate eyes. Seek medical attention if irritation occurs.
<b>In Case of Eye Contact:</b>	Holding eyelids apart, immediately flush eyes with running water for at least 15 minutes. Seek medical attention if severe irritation occurs.
<b>In Case of Ingestion:</b>	Immediately contact a physician or poison control center for treatment advice. Victim should drink milk, egg whites or large quantities of water and be induced to vomiting. Never give anything by mouth to someone who is unconscious, having convulsions or unable to swallow.
<b>Note to Physician:</b>	Symptomatic treatment.

### 5. Fire Fighting Measures

<b>Flash Pt:</b>	N.A.
<b>Explosive Limits:</b>	LEL: N.A. UEL: N.A.
<b>Autoignition Pt:</b>	No data.
<b>Suitable Extinguishing Media:</b>	Use all means adequate to fight surrounding fire: water, foam, CO2, dry chemicals, etc.
<b>Fire Fighting Instructions:</b>	None specific for this product, however, it is suggested that firefighters wear self-contained breathing apparatus (SCBA) and full protective equipment, such as chemical resistant clothing.
<b>Flammable Properties and Hazards:</b>	Toxic fumes under fire conditions such as NH3, NO, NO2, etc.
<b>Hazardous Combustion Products:</b>	No data available.

## 6. Accidental Release Measures

**Protective Precautions, Protective Equipment and Emergency Procedures:** In case of a large spill, clear the affected area and protect people. Such releases should be responded to by trained personnel using pre-planned procedures. In the event of an incidental release, minimum Personal Protective Equipment must be worn: latex or rubber gloves and rubber boots, goggles or full face-shield and coveralls.

**Steps To Be Taken In Case Material Is Released Or Spilled:** It is necessary to contain the spill into the smallest area possible by diking, scooping, shoveling, etc., and place liquid into an appropriate container, labeling it accordingly. If product is clean, use it as intended, following original label directions; should it get contaminated, salvage for proper disposal as waste. Absorb residual product onto dry carrier such as wood shavings, sand or any other absorbent material, and collect in covered, labeled containers and dispose of as dry waste in accordance with Federal, State and Local waste disposal regulations.

## 7. Handling and Storage

**Precautions To Be Taken in Handling:** All personnel who handle this material should be trained to work with it safely. Avoid breathing vapors or mist; use in well-ventilated location.

**Precautions To Be Taken in Storing:** Store in a cool, dry place, away from food, feed, clothing materials and living quarters. Whenever possible, place chemicals on secondary containers or diked area. Inspect all incoming containers before storage to ensure all are properly labeled and not damaged. Keep containers tightly closed when not in use.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
57-13-6	Urea	No data.	TLV: 10 mg/m <sup>3</sup> /8 hr	No data.
10043-52-4	Calcium chloride	No data.	TLV: 10 mg/m <sup>3</sup>	No data.

**Respiratory Equipment (Specify Type):** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/OSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Wear a NIOSH/OSHA approved respirator if working conditions require doing so.

**Eye Protection:** Safety glasses should be worn in any type of operation with chemicals.

**Protective Gloves:** Protective gloves.

**Other Protective Clothing:** Long-sleeved shirt, long pants and protective shoes should be worn as a good safety practice.

**Engineering Controls (Ventilation etc.):** General ventilation is usually adequate. Local exhaust should be used if needed for safe, comfortable working conditions. An eye bath and washing facilities should be readily available.

**Work/Hygienic/Maintenance Practices:** As a general rule, do not eat, drink, smoke, and/or chew gum or tobacco when handling chemicals. Wash thoroughly after handling this product. Remove all dirty or contaminated clothing and wash it before reusing.

## 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [X] Liquid [ ] Solid

**Appearance and Odor:** Clear to light yellow color.  
Very slight characteristic odor.

**pH:** 8.5 - 9.0

**Melting Point:** N.A.

**Boiling Point:** > 240.00 F (115.6 C)

**Flash Pt:** N.A.

**Evaporation Rate:** Similar to water

**Flammability (solid, gas):** No data available.

**Explosive Limits:** LEL: N.A. UEL: N.A.

**Vapor Pressure (vs. Air or mm Hg):** Not known

**Vapor Density (vs. Air = 1):** Similar to water

**Specific Gravity (Water = 1):** 1.29 - 1.31

**Density:** ~ 10.8

**Solubility in Water:** > 99%

**Saturated Vapor Concentration:** No data.

**Octanol/Water Partition Coefficient:** No data.

**Autoignition Pt:** No data.

**Decomposition Temperature:** No data.

**Viscosity:** No data.

**Information with regard to primary physical hazard:**

## 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [X]

**Conditions To Avoid - Instability:** Stable under normal condition, but avoid contact with incompatible materials.

**Incompatibility - Materials To Avoid:** Bleach (sodium hypochlorite), strong acids (phosphoric, sulfuric), strong oxidizing agents.

**Hazardous Decomposition or Byproducts:** Toxic fumes if mixed with incompatible materials. Toxic fumes under fire conditions such as NH3, NO, NO2, etc.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [X]

**Conditions To Avoid - Hazardous Reactions:** No data available.

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### 11. Toxicological Information

**Toxicological Information:** Mutagenicity: The components of this product are not reported to produce mutagenic effects in humans.

Embryotoxicity: The components of this product are not reported to produce embryotoxic effects in humans.

Teratogenicity: The components of this product are not reported to produce teratogenic effects in humans.

Reproductive Toxicity: The components of this product are not reported to produce toxic reproductive effects in humans. However, urea is being investigated as a reproductive effector.

**Carcinogenicity/Other Information:** CAS# 57-13-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65.  
CAS# 10043-52-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

No component is listed as a carcinogenic by IARC, NTP, OSHA, and ACGIH.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
57-13-6	Urea	n.a.	n.a.	n.a.	n.a.
10043-52-4	Calcium chloride	n.a.	n.a.	n.a.	n.a.

### 12. Ecological Information

**General Ecological Information:** The available data on this material does not indicate any undue hazard to the environment under anticipated use and storage. All work practices must be aimed at preventing environmental contamination.

Any waste due to spillage or leakage should be contained and disposed of accordingly, see above under Section 6 "Accidental Release Measures." Due to its growth hormone nature, may cause eutrophication if discharged in bodies of water.

To aid our customers in complying with regulatory requirements, SARA Title III hazard categories for this product are indicated in Section 15. If the word "YES" is marked next to any category, this product may be reportable by you under the requirements of 40 CFR Part 370. Please consult those regulations for details.

### 13. Disposal Considerations

**Waste Disposal Method:** Waste disposal must be done following all Federal, State and Local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local waste regulatory authority.

### 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated. Trade Name: NITRO PLUS 9 + CA

**DOT Hazard Class:**

**UN/NA Number:**

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## NITRO PLUS 9 (California)

**MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:** Not Regulated. Trade Name: NITRO PLUS 9 + CA  
**UN Number:** | **Packing Group:**  
**Hazard Class:**  
**IMDG MFAG Number:** N/A  
**IMDG EMS Page:**

**AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** Not Regulated. Trade Name: NITRO PLUS 9 + CA  
**UN Number:** **Packing Group:**  
**Hazard Class:**

**Additional Transport Information:** Placards / Markings: N/A

### 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
57-13-6	Urea	No	No	No
10043-52-4	Calcium chloride	No	No	No

**This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:**

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Explosive
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Flammable (gases, aerosols, liquid, or solid)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Oxidizer (liquid, solid or gas)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Self-reactive
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pyrophoric (liquid or solid)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pyrophoric gas
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Self-heating
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Organic peroxide
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Corrosive to metal
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Gas under pressure (compressed gas)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	In contact with water emits flammable gas
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Combustible Dust
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Physical) Hazard Not Otherwise Classified (HNOC)
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Acute toxicity (any route of exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Skin Corrosion or Irritation
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Serious eye damage or eye irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Respiratory or Skin Sensitization
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Germ cell mutagenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Carcinogenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Reproductive toxicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Specific target organ toxicity (single or repeated exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Aspiration Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Simple Asphyxiant
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Health) Hazard Not Otherwise Classified (HNOC)

CAS #	Components (Chemical Name)	Other US EPA or State Lists
57-13-6	Urea	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8A CAIR; CA PROP.65: No; CA TAC, Title 8: No
10043-52-4	Calcium chloride	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No

CAS #	Components (Chemical Name)	International Regulatory Lists
57-13-6	Urea	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; REACH: Yes - 01-2119463277-33: Full, (P)

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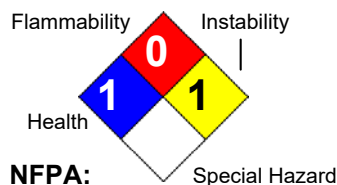
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10043-52-4	Calcium chloride	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; REACH: Yes - 01-2119494219-28: Full, (P)
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**Regulatory Information Statement:**

If this product contains components designated as CERCLA Reportable Quantity (RQ) Substance, Section 103 of CERCLA requires the "person in charge" of a facility or vessel, as soon as he or she has knowledge of a release of a hazardous substance in an amount equal to or greater than an RQ, to report the release immediately to the National Response Center in Washington, DC. The NRC number is 1 (800) 424-8802 or 1 (202) 267-2675.

### 16. Other Information

**Revision Date:** 04/27/2021**Hazard Rating System:****Additional Information About This Product:** No data available.**Company Policy or Disclaimer:**

Stoller believes the information contained in this Safety Data Sheet is accurate based on the information provided by reputable suppliers of our raw materials. However, Stoller does not guarantee their accuracy or completeness. The information contained herein is furnished without warranty of any kind, whether expressed or implied, as to the safety of the goods, the merchantability of the goods, or the fitness of the goods for any particular purpose. Users should consider these data only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers. Stoller assumes no responsibility for results obtained or for incidental or consequential damages arising from the use of goods and data.