

# Safety Data Sheet



## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** VegiSURGE Green Coffee Bean (CC0390)  
**Ingredient Name:** Natural Caffeine, 99%  
**CAS No.:** 58-08-2  
**Synonyms:** 1,3,7-trimethylxanthine, 3,7-Dihydro-1,3,7-trimethyl-1H-purine-2,6-dione, Trimethyl-1,3,7-dioxo-2,6-purine

**Supplier:** Anderson Advanced Ingredients  
2030 Main Street, Suite 430  
Irvine, CA 92614

**General Information:** 949-502-4770 (Monday - Friday 7:00am - 5:00pm PST)  
**24-Hour Contact:** 1-800-262-8200 (Chemtrec)

## 2. HAZARD IDENTIFICATION

**OSHA Hazards:** Target organ effect, toxic by ingestion, irritant  
**Target Organs:** Central nervous system, heart  
**Signal Word:** Danger  
**Hazard Statement:** Toxic if swallowed  
**Pictograms:**



### GHS Classification

Combustible dust	Category 1
Acute toxicity, oral	Category 3
Acute aquatic toxicity	Category 3

### GHS Label Elements, including precautionary statements

#### Hazard Statements:

H301	Toxic if swallowed
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#### Precautionary Statements:

P264	Wash skin thoroughly after handling
P270	Do not eat, drink, or smoke while using this product
P301 / P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P330	Rinse mouth

### Potential Health Effects:

Eyes	Causes eye irritation
Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Skin	May be harmful if absorbed through the skin. Causes skin irritation.
Ingestion	Toxic if swallowed

### NFPA Ratings

Health	2
Flammability	0
Reactivity	0
Specific hazard	Not available

### HMIS Ratings

Health	2
Fire	0
Reactivity	0
Personal	E

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Weight %	CAS #	EINECS#/ELINCS#	Formula	Molecular Weight
Caffeine	100	58-08-2	200-362-1	C <sub>8</sub> H <sub>10</sub> N <sub>4</sub> O <sub>2</sub>	194.19 g/mol

## 4. FIRST AID MEASURES

<b>Eyes:</b>	In case of eye contact, rinse with plenty of water and seek medical attention
<b>Inhalation:</b>	Move to fresh air, limit physical activities / exertion. If breathing becomes difficult, provide oxygen. If not breathing, provide artificial respiration. Seek medical attention
<b>Skin:</b>	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing. Wash area using soap. Seek medical attention
<b>Ingestion:</b>	<b>DO NOT INDUCE VOMITING.</b> Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Seek medical attention immediately.

## 5. FIRE-FIGHTING MEASURES

<b>Extinguishing Media:</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish fire. Use appropriate media for adjacent fire. Cool unopened containers with water
<b>Special protective equipment:</b>	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
<b>Specific hazards:</b>	Emits toxic fumes (carbon oxides, nitrogen oxides) under fire conditions. See "Stability and Reactivity" section.
<b>Ingestion:</b>	<b>DO NOT INDUCE VOMITING.</b> Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Seek medical attention immediately.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	See section 8 for recommendations on the use of personal protective equipment
<b>Environmental precautions:</b>	Prevent spillage from entering drains. Any release to the environment may be subject to federal, national and/or local reporting requirements.
<b>Methods &amp; materials for containment &amp; cleaning up:</b>	Pick up and arrange spill without creating dust. Sweep up & place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

See section 8 "Exposure Controls & Personal Protection" for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use.

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

Store in a cool, dry, well ventilated area. Keep away from incompatible materials (See section 10 "Stability & Reactivity" for any incompatible materials.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Eyes:</b>	Wear chemical safety glasses or goggles.
<b>Inhalation:</b>	Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.
<b>Skin:</b>	Wear nitrile or facility-approved gloves, apron or lab coat.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc)	White powder
Odor	Odorless
Odor threshold	Not applicable
pH	No data available
Melting point / freezing point	234°C (453°F)
Initial boiling point and boiling range	Not applicable
Flash point	No data available
Evaporation rate	Not applicable
Flammability (solid, gas)	Not readily ignited
Upper/lower flammability or explosive limit	For solids, not relevant for classification & labeling
Vapor pressure	20 hPa (15mmHg) at 89°C (192°F)
Vapor density	No data available
Relative density	1.23 (water = 1)
Water solubility	18.7 g/l at 16°C (61°F)
Partition coefficient: n-octanol/water	log Pow: -0.091 at 23°C (73°F)
Auto-ignition temperature	No data available
Decomposition temperature:	No data available

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable.
<b>Hazardous reactions:</b>	Will not occur.
<b>Conditions to avoid:</b>	No data available
<b>Incompatible materials:</b>	Strong oxidizing agents
<b>Hazardous decomposition:</b>	Carbon oxides, nitrogen oxides

## 11. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Acute Toxicity

<b>Skin:</b>	LD50 - Rat - > 2,000 mg/kg
<b>Eyes:</b>	No data available
<b>Respiratory:</b>	LC50 - Rat - 367 mg/kg
<b>Ingestion:</b>	LD50 - Rat - 192 mg/kg

### Carcinogenicity

<b>IARC:</b>	3-Group 3: Not classifiable as to its carcinogenicity (caffeine)
<b>ACGIH:</b>	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
<b>NTP:</b>	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.
<b>OSHA:</b>	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH

### Signs and Symptoms of Exposure

<b>Skin:</b>	Irritation
<b>Eyes:</b>	Irritation, redness, watering eyes
<b>Respiratory:</b>	Coughing, breathing difficulties
<b>Ingestion:</b>	Pain, dyspnea, cyanosis, shock, anxiety, palpitations, tremulousness, tachycardia, diereses, headache, diarrhea

<b>Chronic Toxicity:</b>	No data available	<b>Teratogenicity:</b>	No data available
<b>Mutagenicity:</b>	No data available	<b>Embryotoxicity:</b>	No data available
<b>Specific target organ toxicity:</b>	No data available		

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

<b>Aquatic vertebrate:</b>	LC50 - Leuciscus idus - 87 mg/L - 96h
<b>Aquatic invertebrate:</b>	EC50 - Daphnia magna - 182 mg/L - 48h
<b>Aquatic plants:</b>	EC50 - Desmodemus subspicatus - > 100 mg/L - 72h
<b>Terrestrial:</b>	No data available

## 13. DISPOSAL CONSIDERATIONS

<b>Waste residues:</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary, before disposing of waste residue.
<b>Product containers:</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary, before disposing of waste residue.

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## 14. TRANSPORTATION INFORMATION

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USDOT:	UN 1544, Alkaloids, solid, n.o.s. (caffeine), 6.1, pg III
TDG:	UN 1544, ALKALOIDS, SOLID, N.O.S. (CAFFEINE), 6.1, PG III
IMDG:	UN 1544, ALKALOIDS, SOLID, N.O.S. (CAFFEINE), 6.1, PG III
Marine Pollutant:	No
IATA / ICAO:	UN 1544, Alkaloids, solid, n.o.s. (caffeine), 6.1, pg III

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## 15. REGULATORY INFORMATION

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TSCA inventory status:	All ingredients are listed on the TSCA inventory
DSCL (EEC)	All ingredients are listed on the DSCL inventory
California Proposition 65	Not listed
SARA 302	Not listed
SARA 304	Not listed
SARA 311	Caffeine - Acute health hazard, chronic health hazard
SARA 312	Caffeine - Acute health hazard, chronic health hazard
SARA 313	Not listed
WHIMS	

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## 16. OTHER INFORMATION

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**Revision Date:** 27 May 2021

DISCLAIMER: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportations, 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 use in combination with any other materials or in any process, unless specified in the text.