

Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification

Product Name Green Tea Powder Extract (90% Polyphenols)
Commercial Name Not available.
Product Use Not available.
Restrictions On Use Not available.
Product Code 30-3570
Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Sensitization, respiratory Category 1 Sensitization, skin Category 1
CFR 1910.1200
Signal Word WARNING
Hazard Statement(s) Causes skin irritation. Causes serious eye irritation
Pictogram(s) or Symbol(s)

**Precautionary Statement(s):**

Prevention Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. In case of inadequate ventilation wear respiratory protection.
Response If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor.
Storage Not available.
Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Green Tea Powder Extract
% By Weight 100
CAS# 84650-60-2
Molecular Weight Not available.
Chemical Formula Not available.
Synonym(s) Green tea dry decaffeinated extract polyphenols

Mixtures

| Name | CAS# | % by Weight | TLV/PEL | LC50/LD50 |
|--------------------------|-------------|--------------------|----------------|------------------|
| Green Tea Powder Extract | | 100 | | |

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Section 4: First-Aid Measures

| | |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation | If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist. |
| Skin Contact | Rinse skin with water/shower. Get medical attention if irritation develops and persists. |
| Eye Contact | Rinse with water. Get medical attention if irritation develops and persists. |
| Ingestion | Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately. |
| Symptoms/Effects | |
| Acute | May cause allergic skin reaction. May cause allergic respiratory reaction. |
| Delayed | May cause allergic skin reaction. May cause allergic respiratory reaction. |
| Immediate Medical Attention | Provide general supportive measures and treat symptomatically. |

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Use fire-extinguishing media appropriate for surrounding materials. Water. Foam. Dry chemical or CO₂.

Unsuitable Extinguishing Media

Not available

Products of Combustion

Not available.

Firefighters Special Equipment and Precautions

Wear suitable protective equipment. Use water spray to cool unopened containers. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.

Section 6: Accidental Release Measures

Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Avoid inhalation of dust from the spilled material. Wear appropriate personal protective equipment. Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid the generation of dusts during clean-up. For waste disposal, see section 13 of the SDS. Clean surface thoroughly to remove residual contamination.

Section 7: Handling and Storage

Handling: As a general rule, when handling USP Reference Standards, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly. **Storage:** Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.

Section 8: Exposure Controls/Personal Protection

| | |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Exposure Limits | No biological exposure limits noted for the ingredient(s). |
| Engineering Controls | Airborne exposure should be controlled primarily by engineering controls such as general dilution ventilation, local exhaust ventilation, or process enclosure. Local exhaust ventilation is generally preferred to general exhaust because it can control the contaminant at its source, preventing dispersion into the work area. An industrial hygiene survey involving air monitoring may be used to determine the effectiveness of engineering controls. Effectiveness of engineering controls intended for use with highly potent materials should be assessed by use of nontoxic surrogate materials. Local exhaust ventilation such as a laboratory fume hood or other vented enclosure is recommended, particularly for grinding, crushing, weighing, or other dust-generating procedures. |

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Personal Protection

Eye/face protection: Safety glasses with sideshields are recommended. Face shields or goggles may be required if splash potential exists or if corrosive materials are present. Approved eye protection (e.g., bearing the ANSI Z87 or CSA stamp) is preferred. Maintain eyewash facilities in the work area. Hand protection: Chemically compatible gloves. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic nonlatex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy. Other: For handling of laboratory scale quantities, a cloth lab coat is recommended. Where significant quantities are handled, work clothing may be necessary to prevent take-home contamination. Respiratory protection: Where respirators are deemed necessary to reduce or control occupational exposures, use NIOSH-approved respiratory protection and have an effective respirator program in place (applicable U.S. regulation OSHA 29 CFR 1910.134). Thermal hazards: Not available. General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice.

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Section 9: Physical and Chemical Properties

| | | | |
|---------------------------------------------------|------------------------------|------------------------------------------|----------------|
| Appearance | Brown powder | | |
| Odor | Not available | | |
| Odor Threshold | Not available. | | |
| Melting Point | Not available. | pH | Not available. |
| Freezing Point | Not available. | Vapor Pressure | Not available. |
| Boiling Point/Range | Not available | Vapor Density | Not available. |
| Decomposition temperature | Not available. | Viscosity | Not available. |
| Partition Coefficient: n-octanol/water | Not available. | Evaporation Rate | Not available. |
| Flash Point | Not available. | Autoignition temperature | Not available. |
| Flammability | Not available. | Flammability or Explosive Limits: | |
| | | Lower | Not available. |
| | | Upper | Not available. |
| Solubility(ies) | Soluble in water | | |
| Other | Chemical family Polyphenols. | | |

Section 10: Stability and Reactivity

| | |
|-----------------------------------------|----------------------------------------------------------------------------------|
| Reactivity | No reactivity hazards known. |
| Chemical Stability | Material is stable under normal conditions |
| Hazardous Polymerization | No dangerous reaction known under conditions of normal use. |
| Conditions to Avoid | Not available |
| Incompatible Materials | Not available |
| Hazardous Decomposition Products | Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions. |

Section 11: Toxicological Information**RTECS** Not available.**Acute Toxicity**

Not available.

Skin Corrosion/Irritation

May cause an allergic skin reaction. A component tested positive in sensitization tests

Serious Eye Damage/Irritation

Not available.

Respiratory or Skin Sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled. There have been reports of asthma following occupational exposure to this material

Germ Cell Mutagenicity

Not available.

Carcinogenicity

This material is not considered to be a carcinogen by IARC, NTP, or OSHA

Reproductive Toxicity

Due to lack of data the classification is not possible. Epigallocatechin 3-gallate, a component of this extract, did not affect fertility or interfere with embryo development in rats at doses up to 12,000 ppm administered orally

Routes of Entry

Inhalation May cause allergy or asthma symptoms or breathing difficulties if inhaled. Skin contact May cause an allergic skin reaction.

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Symptoms Related to Exposure

Not available.

Potential Health Effects

Not available.

Target Organ(s) Not available.**Section 12: Ecological Information****Ecotoxicity**

No ecotoxicity data noted for the ingredient(s)

Persistence and Degradability

Not available.

Bioaccumulative Potential

Not available.

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Disposal of Container

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

US federal regulations CERCLA/SARA Hazardous Substances - Not applicable. One or more components are not listed on TSCA. Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No SARA 302 Extremely hazardous substance No SARA 311/312 Hazardous chemical No Other federal regulations Safe Drinking Water Act (SDWA) Not regulated. Food and Drug Administration (FDA) Not regulated. US state regulations California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Other

Not available.

Section 16: Other Information

Not available.