Safety Data Sheet

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

Section 1: Identification

Product Name Turmeric Powder (Curcuma Longa)
Commercial Name Brilliant Yellow S
Product Use Widely used as a health food supplement for its nutritional benefits
Restrictions On Use Not available

Product Code 30-3018

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: CFR 1910.1200 N/A

Signal Word WARNING

Hazard Statement(s) H302 Harmful if swallowed H319 Causes serious eye irritation

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention Wear eye protection/face protection Wash face, hands and any exposed skin thoroughly after handling.

Response If in eyes, rinse cautiously with water for several minutes. Remove contact lenses If skin irritation occurs, get a medical advice.

Storage Not available

Disposal Not available

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Turmeric Powder
% By Weight 100
CAS# 458-37-7
Molecular Weight 368.39 g/mole
Chemical Formula C21H20O6
Synonym(s) 1,7-Bis(4-hydroxy-3-methoxyphenyl)1,6-heptadiene-3,5-dione; Tumeric Yellow

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Turmeric Powder (Curcuma Longa)	458-37-7	100	Not available	Not available

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Section 4: First-Aid Measures

Inhalation Nasal irritation, headache, dizziness, nausea, vomiting, heart palpitations, breathing difficulty, cyanosis, tremors, weakness, red flushing of face, irritability. Remove exposed person from source of exposure to fresh air. If not breathing, clear airway and start cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth restrictions.

Skin Contact Itching or burning of the skin. Immediately flush the skin with plenty of water while removing contaminated clothing or shoes. Get immediate medical attention. Wash contaminated clothing before reuse.

Eye Contact Eye Irritation. Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get immediate medical attention.

Ingestion Get immediate medical attention. Do not induce vomiting unless directed by medical personnel.

Symptoms/Effects

Acute Not available

Delayed Not available

Immediate Medical Attention

Not available.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

Use dry chemical, foam, or carbon dioxide to extinguish fire. Water may be ineffective but should be used to cool fire-exposed containers, structures and to protect personnel. Use water to dilute spills and to flush them away from sources of ignition.

Unsuitable Extinguishing Media

Not available

Products of Combustion

Not available.

Firefighters Special Equipment and Precautions

Do not flush down sewers or other drainage systems. Exposed firefighters must wear NIOSH-approved positive pressure self-contained breathing apparatus with full-face mask and full protective clothing.

Section 6: Accidental Release Measures

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Vapor protective clothing should be worn for spills and leaks. Shut off ignition sources; no flares, smoking or flames in hazard area. Small spills: Take up with sand or other noncombustible absorbent material and place into containers for later disposal. Large spills; Dike far ahead of liquid spill for later disposal. Do not flush to sewer or waterways. Prevent release to the environment, if possible.

Section 7: Handling and Storage

Handling: Do not get in eyes, skin or on clothing. Do not breathe vapors or mists. Keep containers closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use. Destroy contaminated belts and shoes and other items that cannot be decontaminated. Keep away from heat and flame. Keep operating temperatures below ignition temperatures at all times. Use non-sparking tools. Storage: Store in tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibles. Ground lines and equipment used during transfer to reduce the possibility of static spark-initiated fire or explosion. Store at ambient or lower temperature. Store out of direct sunlight. Keep containers tightly closed and upright when not in use. Protect against physical damage.

Section 8: Exposure Controls/Personal Protection

Exposure Limits Not available

Engineering Controls Local exhaust ventilation may be necessary to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source. Provide mechanical ventilation for confined spaces. Use explosion-proof ventilation equipment.

Personal Protection

Eye Protection: Wear chemical safety goggles and face shield. Have eye-wash stations available where eye contact can occur. Skin Protection: Avoid skin contact. Wear gloves impervious to conditions of use. Additional protection may be necessary to prevent skin contact including use of apron, face shield, boots or full body protection. A safety shower should be located in the work area. Respiratory Protection: If exposure limits are exceeded, NIOSH approved respiratory protection should be worn. Respiratory protection must be provided in accordance with OSHA 29 CFR 1910.134.

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Section 9: Physical and Chemical Properties

Appearance Yellow orange to orange 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) Not available
Other Not available.

Section 10: Stability and Reactivity

Reactivity Not available
Chemical Stability The product is stable under normal conditions
Hazardous Polymerization Corrosivity: Non-corrosive in presence of glass. Hazardous polymerization will not occur. Orange -Yellow tumeric will hold shade better than lemon-yellow when exposed directly or indirectly to sunlight.
Conditions to Avoid Extreme heat and high energy sources of ignition
Incompatible Materials Strong oxidizing agents
Hazardous Decomposition Products Not available

Section 11: Toxicological Information

RTECS MI5230000

Acute Toxicity

Eye Contact: May cause severe conjunctival irritation and corneal damage. Skin Contact: May cause reddening, blistering or burns with permanent damage. Harmful if absorbed through the skin. May cause cardiovascular system and liver effects. Inhalation: May cause severe irritation with possible lung damage (pulmonary edema). Ingestion: May cause severe gastrointestinal burns. Chronic Effects: Eye Contact: May cause severe conjunctival irritation and corneal damage. Skin Contact: May cause reddening, blistering or burns with permanent damage. Harmful if absorbed through the skin. May cause cardiovascular system and liver effects. Inhalation: May cause severe irritation with possible lung damage (pulmonary edema). Ingestion: May cause severe gastrointestinal burns.

Skin Corrosion/Irritation

Not available

Serious Eye Damage/Irritation

Not available

Respiratory or Skin Sensitization

Not available

Germ Cell Mutagenicity

Not available

Carcinogenicity

Not available

Reproductive Toxicity
Not available

Routes of Entry
Not available.

Symptoms Related to Exposure
Eye and nasal irritation, headache, dizziness, nausea, vomiting, heart palpitations, difficulty breathing, cyanosis, tremors, weakness, itching, or burning of the skin

Potential Health Effects
Not available

Target Organ(s) Not available

Section 12: Ecological Information

Ecotoxicity
Not available

Persistance and Degradability
Not available

Bioaccumulative Potential
Not available

Mobility in Soil
Not available

Other Adverse Effects
Not available

Section 13: Disposal Considerations

Waste Disposal
The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270. Disposal can occur only in properly permitted facilities. Refer to state and local requirements for any additional requirements, as these may be different from Federal laws and regulations.

Disposal of Container
Not available

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
Not available.

Other
Not available.

Section 16: Other Information

Not available.