

AERCHEM INC.
320 North Walnut
Bloomington, IN 47408

Tel: 812.334.9996 Fax: 812.334.1960 Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date:

Product Name: CURCUMIN; Turmeric; 1,7-Bis(4-hydroxy-3-methoxyphenyl)1,6-heptadiene-3,5-dione

Molecular Formula: C₂₀H₂₀O₆

CAS No.: 458-37-7

SECTION 2: HAZARDOUS INGREDIENTS:

Ingredients are non hazardous

Slightly dangerous to dangerous in case of eye contact (irritant), of ingestion. Very slightly to slightly dangerous in case of skin contact (irritant), of inhalation. May irritate eyes and skin upon contact.

SECTION 3: PHYSICAL DATA

Odor:	n/a
Appearance:	fine powdered solid/ bright orange
Melting point.:	183°C (361.4°F)
Boiling point:	decomposes
pH (depends on quality):	n/a
Solubility in water:	partial
Specific gravity (water = 1)	n/a
Vapor density:	13
Vapor pressure:	n/a

SECTION 4: FIRE AND EXPLOSION DATA

Flash point:	n/a
Flammable limit:	no data
Flammability:	combustible
Extinguishing media:	water, fog, foam, carbon dioxide, dry chemical, halon 1211; do not use water jet.
Special Fire fighting procedures:	none
Unusual fire and explosions hazards:	none

SECTION 5: REACTIVITY DATA

Stable x Unstable

Decomposition byproducts: carbon oxides

Incompatibilities/Condition to Avoid: oxidizers

Hazardous Polymerization: will not occur

SECTION 6: HEALTH HAZARD DATA

Toxicity: n/a

Route of Entry: Ingestion

Permissible Exposure limits: n/a

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

Spillage: Mop up or sweep up with absorbent. Wash spill area with hot water and detergent then flush to a sewer serviced by wastewater treatment facility.

Disposal: Discarded product is not a hazardous waste under RCRA, 40 CFR 261. Dispose of according to local and regional authority requirements. Recycle to process, if possible.

SECTION 8: FIRST AID PROCEDURES

Eye Contact: Check for and remove any contact lenses. Flush with copious amounts of water. Do not use an eye ointment. Seek medical attention.

Skin Contact: Remove contaminated clothes as quickly as possible. Wash skin well with soap and water. Cover irritated skin with an emollient. If irritation persists, contact a physician.

Inhalation: Remove person from source and to a well ventilated area. Obtain medical attention if needed.

Ingestion: Remove any dentures. Have conscious person drink several glasses of water or

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milk. Induce vomiting by sticking finger in throat. Lower head so vomit won't reenter mouth and throat. Never give an unconscious person anything to eat. Obtain medical attention if needed.

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SECTION 9: HANDLING AND STORAGE INFORMATION:

Normal handling and storage via OSHA regulations is all that is required.

Keep away from heat, sources of ignition, and strong oxidizers. Keep container dry, tightly closed, and in a cool, well ventilated area. Ground all equipment containing material. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing.

SECTION 10: SPECIAL PROTECTION INFORMATION:

Ventilation: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Skin Protection: protective gloves

Eye Protection: splash goggles

Respiratory Protection: dust mask

Other: lab coat

SECTION 11: TRANSPORT INFORMATION

DOT Classification: not a DOT regulated material (USA)