

Capsanthin: sc-204667



The Power to Question

MATERIAL SAFETY DATA SHEET

HAZARD WARNINGS	RISK PHRASES	PROTECTIVE CLOTHING
	The health risks of this compound have not been fully determined. Exposure may cause irritation of the skin, eyes, and respiratory system.	

Section I. Chemical Product and Company Identification			
Chemical Name	Capsanthin	Supplier	Santa Cruz Biotechnology, Inc. 2145 Delaware Avenue Santa Cruz, California 95060 800.457.3801 or 831.457.3800
Catalog Number	sc-204667		
CAS Number	465-42-9		
Chemical Formula	C40H56O3		
Synonym	(3R,3'S,5'R)-3,3'-dihydroxy-β,κ-caroten-6'one; Paprika extract O ;	Emergency	ChemWatch Within the US & Canada: 877-715-9305 Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

Section II. Composition and Information on Ingredients				
Chemical Name	CAS Number	Percent (%)	TLV/PEL	Toxicology Data
Capsanthin (Paprika Extract in a Vegetable Oil Solution)	465-42-9	-----	Not available.	Not available.

Section III. Hazards Identification	
Acute Health Effects	No specific information is available in our data base regarding the toxic effects of this material for humans. However, exposure to any chemical should be kept to a minimum. Skin and eye contact may result in irritation. May be harmful if inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound.
Chronic Health Effects	CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. Toxicity to the reproductive system: Not available. There is no known effect from chronic exposure to this product. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.

Section IV. First Aid Measures	
Eye Contact	Check for and remove any contact lenses. DO NOT use an eye ointment. Flush eyes with running water for a minimum of 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention. Treat symptomatically and supportively.
Skin Contact	If the chemical gets spilled on a clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. Seek medical attention. Treat symptomatically and supportively. Wash any contaminated clothing before reusing.
Inhalation	If the victim is not breathing, perform artificial respiration. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, oxygen can be administered. Seek medical attention. Treat symptomatically and supportively.
Ingestion	Remove dentures if any. Have conscious person drink several glasses of water or milk. INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. NEVER give an unconscious person anything to ingest. Seek medical attention. Treat symptomatically and supportively.

Section V. Fire and Explosion Data			
Flammability	Combustible.	Auto-Ignition	Not available.
Flash Points	Not available.	Flammable Limits	Not available.
Combustion Products	Carbon oxides (CO,CO ₂).		
Fire Hazards	No specific information is available regarding the flammability of this compound in the presence of various materials.		
Explosion Hazards	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No additional information is available regarding the risks of explosion.		
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemicals, CO ₂ , water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.		

Section VI. Accidental Release Measures			
Spill Cleanup Instructions		Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning the spill by rinsing any contaminated surfaces with copious amounts of water and allowing this highly diluted solution to evacuate through the sanitary system. Consult federal, state, and/or local authorities for assistance on disposal.	
Section VII. Handling and Storage			
Handling and Storage Information		Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas, fumes, vapor or spray. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes. Store at RT.	
Section VIII. Exposure Controls/Personal Protection			
Engineering Controls		Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash station and safety shower is proximal to the work-station location.	
Personal Protection		Splash goggles. Lab coat. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.	
			
Exposure Limits		Not available.	
Section IX. Physical and Chemical Properties			
Physical state @ 20°C		Liquid. (Viscous.)	Solubility
Specific Gravity		Not available.	Not available.
Molecular Weight		584.88	Partition Coefficient
Boiling Point		Not available.	Vapor Pressure
Melting Point		Not available.	Vapor Density
Refractive Index		Not available.	Volatility
Critical Temperature		Not available.	Odor
Viscosity		Not available.	Taste
Section X. Stability and Reactivity Data			
Stability		This material is stable if stored under proper conditions. (See Section VII for instructions)	
Conditions of Instability		Avoid excessive heat and light.	
Incompatibilities		No specific information is available regarding the reactivity of this material in the presence of various other materials.	
Section XI. Toxicological Information			
RTECS Number		Not available.	
Routes of Exposure		Ingestion. Inhalation. Eye contact. Skin contact.	
Toxicity Data		Not available.	
		No additional remark.	
Chronic Toxic Effects		CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. Toxicity to the reproductive system: Not available. There is no known effect from chronic exposure to this product. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.	
Acute Toxic Effects		No specific information is available in our data base regarding the toxic effects of this material for humans. However, exposure to any chemical should be kept to a minimum. Skin and eye contact may result in irritation. May be harmful if inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound.	
Section XII. Ecological Information			
Ecotoxicity		Not available.	
Environmental Fate		Not available.	

Section XIII. Disposal Considerations	
Waste Disposal	Recycle to process, if possible. Consult your local or regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state, and local regulations when disposing of this substance.
Section XIV. Transport Information	
DOT Classification	Not a DOT controlled material (United States).
PIN Number	NONE
Proper Shipping Name	NONE
Packing Group (PG)	NONE
DOT Pictograms	
Section XV. Other Regulatory Information and Pictograms	
TSCA Chemical Inventory (EPA)	This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list: (i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec. (ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on an MSDS sheet.
WHMIS Classification (Canada)	Not controlled under WHMIS (Canada).
EINECS Number (EEC)	Not available.
EEC Risk Statements	Not controlled under DSCL (Europe).
Japanese Regulatory Data	Not available.
Section XVI. Other Information	
Notice to Reader:	<i>The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.</i>