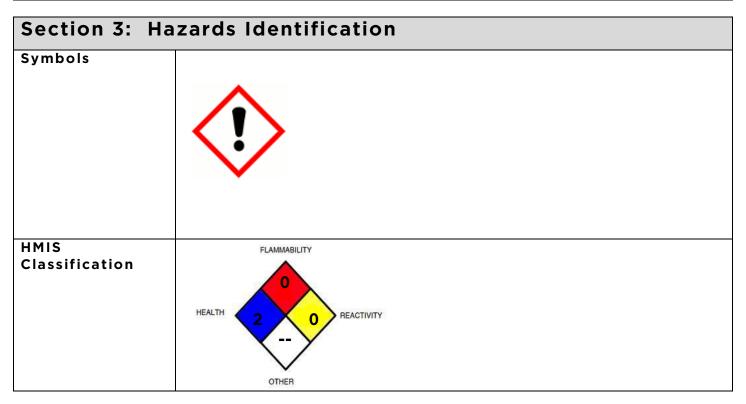


Safety Data Sheet

Section 1: Product & Company Identification		
Product Name:	Curcumin	
Product #:	C-2275	
Synonyms:	Indian saffron; Turmeric yellow	
Supplier:	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego, CA 92131 Tele# + 858-452-9925	
Emergency Tele#:	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585	

Section 2: Composition / Information on Ingredients			
Component	CAS #	EC #	% Composition
Curcumin	458-37-7	207-280-5	





NFPA	FLAMMABILITY
Classification	HEALTH 2 0 REACTIVITY OTHER

Section 4: First Aid Measures

General Overview:	May cause anemia, cough, CNS depression, drowsiness, headache, heart damage, lassitude (weakness, exhaustion), liver damage, narcosis, reproductive effects, teratogenic effects. No further relevant information available.
Inhalation:	In case of unconsciousness place patient stably in side position for transportation.
Skin:	Immediately wash with water and soap and rinse thoroughly
Eyes:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Ingestion:	If symptoms persist consult doctor.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of	No data available
the product:	
Extinguishing	Use fire fighting measures that suit the environment. A solid water stream
Media:	may be inefficient.
Hazardous	No data available
thermal	
(de)composition	
products:	
Special Fire	No special measures required.
Fighting	
Procedures:	
Flash Point:	No data available

Section 6: A	ccidental Release Measures
Personal	Do not allow to enter sewers/surface or ground water.
Precautions:	
Environmental	No data available
Precautions:	



Methods for	Ensure adequate ventilation.
Clean-up:	

SECTION 7: Handling & Storage Storage: Recommended storage temperature: 2 - 8°C Handling: No special precautions are necessary if used correctly. Avoid breathing dust (fume (gas (mint (vapers (sprav. Avoid prelenged or repeated avoid prelenged

dust/fume/gas/mist/vapors/spray. Avoid prolonged or repeated exposure. Keep away from sources of ignition. Take precautionary measures against static discharge.

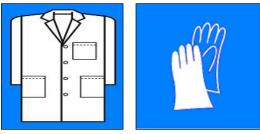
SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Skin and Body:



Lab coat. Protective gloves.

Eyes:



	\smile			
	Tightly sealed gog	ggles		
Ventilation/Engineering Measures:	Ensure adequate	ventilation.		



Hygiene:	Handle in accordance with good industrial hygiene and safety practice.
Other:	N/A

SECTION 9: Physical and Chemical Properties

Appearance &	Solid
Odor:	
Formula	$C_{21}H_{20}O_6$
Molecular Wt.	368.4
Melting Pt.	179 - 182°C
Boiling Pt.	No data available
Density:	No data available
Vapor Pressure:	No data available
Evaporation Rate:	No data available
Vapor Density:	No data available
Solubility:	Acetone
Flash Point:	No data available
Autoignition	No data available
Temp:	

SECTION 10: Stability and Reactivity		
Stability:	Stable under recommended storage conditions.	
Hazardous	Carbon dioxide, carbon monoxide	
decomposition		
products:		
Materials to Avoid:	Strong oxidizing agents	
Conditions to avoid:	No data available	

SECTION 11: Toxicological Information		
RTECS#:	MI5230000	
ACUTE Toxicity:	Oral LD50 = >2 g/kg (rat) Oral TDLO = 50 mg/kg (mouse) Intraperitoneal TDLO = 40 mg/kg (rat) Intraperitoneal LD50 = 1,500 mg/kg (mouse)	
CHRONIC Toxicity:	N/A	
Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC. AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH.	



NTP: No component of this product present at levels greater than or
equal to 0.1% is identified as known or anticipated human carcinogen by
NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA.
EPA: No classification on carcinogenic data is available from EPA

SECTION 12: Ecological Information		
Ecotoxicity:	Water hazard class 1 (Self-assessment): slightly hazardous for water.	
	Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.	
Mobility:	No data available	
Persistence and	No data available	
degradability:		
Bioaccumulative	No data available	
potential:		
Other adverse	No data available	

effects:	
Corrosivity	No data available
Characteristic:	
General Notes:	To the best of our knowledge, the chemical, physical and toxicological
	properties have not been thoroughly investigated.

SECTION 13: Disposal Considerations	
Residue Waste or Unused product:	Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Contaminated Packaging:	Disposal must be made according to official regulations.

SECTION 14: Transportation Information		
UN ID#:	N/A	
ADR / RID (LAND):	Not regulated	
DOT regulations:	Not regulated	
IMDG/IMO (SEA):	Not regulated	
IATA/DGR (AIR):	Not regulated	
Special Provisions:	N/A	

SECTION 15: Regulatory Information	
Health Phrases:	Warning! H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.



Risk Phrases:	P261 Avoid breathing dust/fume/gas/mist/vapors/spray
	P264 Wash thoroughly after handling.
	P271 Use only outdoors or in a well-ventilated area.
	P280 Wear protective gloves / eye protection / face protection.
Safety Phrases:	P302+P352 If on skin: Wash with plenty of water.
-	P304+P340 IF INHALED: Remove person to fresh air and keep
	comfortable for breathing.
	P305+P351+P338 If in eyes: Rinse cautiously with water for several
	minutes. Remove contact lenses, if present and easy to do. Continue
	rinsing.
	P312 Call a poison center/doctor if you feel unwell.
	P321 Specific treatment (see on this label).
	P362+P364 Take off contaminated clothing and wash it before reuse.
	P332+P313 If skin irritation occurs: Get medical advice/attention.
	P337+P313 If eye irritation persists: Get medical advice/attention.
	P403+P233 Store in a well-ventilated place. Keep container tightly closed.
	P405 Store locked up.
	P501 Dispose of contents/container in accordance with local/regional/
	national/international regulations.
EU Regulations:	N/A
US Regulations:	TSCA: Listed
	California Proposition 65: No products were found
U.S. Federal	SARA 302/304 emergency planning and notification: No products were
Regulations:	found.
	SARA 311/312 MSDS distribution-chemical inventory-hazard
	identification: No products were found.
	SARA 313 toxic chemicals notification and release reporting: No products
	were found.
	Clean Water Act (CWA) 307: No products were found.
	Clean Water Act (CWA) 311: No products were found.
	Clean Air Act (CAA) 112 accidental release prevention: No products were
	found.
	Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
	Clean Air Act (CAA) 112 regulated toxic substances: No products were
	found.
	OSHA: No products were found.
WHMIS (Canada):	N/A

SECTION 16: Other Information

LIABILITY STATEMENT: The above information is believed to be correct but does not purport to be allinclusive and shall be used only as a guide. AG Scientific shall not be held liable for any damages resulting from handling or from contact with the above product. AG Scientific products are for research purposes only. Not for human use or consumption.