

**MATERIAL SAFETY DATA SHEET**

Product name : Turmeric Oleoresin / Turmeric extract

**1. Chemical product & company identification**

Product name : Turmeric Oleoresin / Turmeric extract  
 Product code : CPE – 024  
 Company name : Arjuna Natural Pvt Ltd.  
 Company address : PB No. 126, Bank Road,  
 Aluva - 683 101., Kerala, India.  
 Company tel. no. : 91-484-2622204/2622612  
 Company fax no. : 91-484-2532404/2622612  
 Company emergency tel. no. : 91-484-2623939

**2. Composition/information on ingredients**

Physical state : Product is a free flowing powder  
 Common name : Turmeric extract  
 CAS - number : None  
 EC - number : None  
 EINECS - number : 207 - 280 - 5  
 INCI : Curcuma longa  
 Colour and index number : 75300  
 Synonyms : Natural yellow, Turmeric yellow,  
 curcumin dye, Diferoyl methane  
 Impurities : None

**3. Hazards identification**

Physical and chemical hazards : None  
 Environmental hazards : None  
 Adverse human health effects : None  
 Specific hazards : None  
 Main symptoms : None

**4. First – aid measures**

**Symptoms and effects**

Inhalation : Irritation  
 Skin contact : Yellow pigmentation to the skin  
 Eye contact : Slight irritation due to the curcumin present  
 Ingestion : None

**First aid**

Inhalation : Seek medical advice if discomfort feels  
 Skin contact : Wipe off with alcohol (ethyl alcohol)

Eye contact	:	then with suitable detergent and water Rinse with plenty of water containing suitable detergent
Ingestion	:	Consult a doctor if discomfort feels

### **5. Fire fighting measures**

Suitable extinguishing media	:	Water, CO <sub>2</sub> , foam
Extinguishing media which must not be used	:	None
Exposure hazards	:	On incineration emit fumes
Special protective equipment for fire fighters	:	None
Special fire fighting methods	:	None

### **6. Accidental release measures**

Personal precautions	:	Use gloves
Environmental precautions	:	None
Methods for cleaning up	:	Flush with plenty of water containing with suitable detergents
Methods for recovery	:	None
Methods of neutralization	:	Not necessary
Methods for disposal	:	Landfill

### **7. Handling & storage**

Prevention of exposure	:	None
Prevention of fire/explosion	:	None
Precaution for safe handling	:	None
Safe handling advice	:	Good housekeeping practices

### **Storage**

Suitable storage media	:	All steel and HM-HDPE pails
Recommendations	:	Avoid high temperature and long storage time, keep container closed
Incompatible materials	:	None

### **8. Exposure controls/personal protection**

#### **Specific control parameters**

Limit values	:	None
Biological standards	:	None

#### **Means for personal protection**

Respiratory protection	:	None
Hand protection	:	Wear gloves

Skin and body protection	:	Wear suitable protective clothes
Hygiene measures	:	Good housekeeping practices
Engineering measures	:	None

### **9. Physical and chemical properties**

Physical state	:	Free flowing powder
Colour	:	Yellowish to orange red
Odour	:	Spicy like turmeric
pH	:	6 - 8
Melting point	:	175 - 185°C
Flash point	:	None
Explosive properties	:	None
Bulk density (Gm/MI) (Tapped)	:	>0.50
Solubility in acetone	:	Complete soluble
Decomposition temperature	:	Above 200°

### **10. Stability and reactivity**

Conditions to avoid	:	High temperature and high humidity
Materials to avoid	:	Iron, copper
Hazardous decomposition Products	:	None

### **11. Toxicological informations**

Acute toxicity	:	Biochemically, haematologically and histopathologically non-toxic
Inhalation	:	None
Ingestion	:	None
Skin contact	:	None
Eye contact	:	Slight irritation due to the curcumin present
Chronic long term toxicity and non-carcinogenic	:	Turmeric oleoresin /Turmeric extract is considered as non- toxic
Corrosive	:	None corrosive

### **12. Ecological information**

Mobility	:	Free flowing powder
Solubility	:	Soluble in acetone
Persistence/degradability	:	Bio-degradable
Bio-accumulation	:	None
Eco-toxicity	:	Insignificant toxic hazard



### **13. Disposal considerations**

Water/residue : Waste water treatment plant  
Package : Regular disposal after washing with water and detergent

### **14. Transport info**

IMCO ( sea ) : None  
ICAO/IATA ( air ) : As per current IATA DG Manuel,  
shipment is not restricted for air transport  
RID/ADR ( land ) : None  
UN - number : UN number is not applicable AS PER CURRENT EDITION OF IATA DGR  
Packaging group : None

### **15. Regulatory information**

Specific international regulation : None  
Specific national regulation : None  
Labeling : Not regulated as per European flavour and fragrance association

### **16. Other Information**

The product is Kosher and Halal certified. Material is suitable Vegan, Ovo-vegetarians and Lacto-Vegetarian, Material is NON-ETO and Non-Irradiated. Product is free from Genetically Modified Organisms and is BSE/TSE free.

Certified by

A handwritten signature in blue ink, appearing to read "P. Manikandan".

Place: Karumathampatty  
Date: 22-04-2022

P. Manikandan  
Dy.Manager-QC