

CHAITANYA CHS, 2<sup>nd</sup> FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.  
 CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

**MATERIAL SAFETY DATA SHEET (MSDS)**
**CURCUMINE (C. I. NO. 75300) (NATURAL YELLOW 3)**
**1. Identification of the substance/mixture and of the company/undertaking**
**1.1. Product identifier**

Trade name : CURCUMINE (C. I. NO. 75300) (NATURAL YELLOW 3)

Product code : C0080400100

Identification of the product : CURCUMINE CRYSTALLINE 99%  
 CAS No :458-37-7

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use : Industrial. For professional use only.

**1.3. Details of the supplier of the safety data sheet**

Company identification SUVCHEM  
 Chaitanya Tower, 2nd Floor, Office # 206,  
 Siddharth Nagar, S.V. Road,  
 Goregaon (West), Mumbai - 400062,  
 Maharashtra, India.  
 Contact: +91 22 28725393 / 94 / 95  
 Email ID: info@suvchem.com/care@suvchem.com

**1.4. Emergency telephone number**

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [ Office hours ]

**2. Hazards identification -DSD**
**2.1. Classification of the substance or mixture**
**Classification EC 67/548 or EC 1999/45**

Classification : Xi; R36/37/38

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**

Health hazards : Specific Target Organ Toxicity - Single exposure - Respiratory tract irritation -  
 Category 3 - Warning (CLP : STOT SE 3) H335  
 Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319  
 Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2) H315

**2.2. Label elements**
**Labelling EC 67/548 or EC 1999/45**

Symbol(s)



**MATERIAL SAFETY DATA SHEET (MSDS)**
**CURCUMINE (C. I. NO. 75300) (NATURAL YELLOW 3)**
**2. Hazards identification -DSD (continued)**

<b>Symbol(s)</b>	: Xi : Irritant
<b>R Phrase(s)</b>	: R36/37/38 : Irritating to eyes, respiratory system and skin.
<b>S Phrase(s)</b>	: S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36 : Wear suitable protective clothing.

**Labelling Regulation EC 1272/2008 (CLP)**
**Hazard pictograms**


<b>Signal words</b>	: Warning
<b>Hazard statements</b>	: H319 : Causes serious eye irritation. H315 : Causes skin irritation. H335 : May cause respiratory irritation.

**Precautionary statements**

<b>• Prevention</b>	: P280: Wear protective gloves, protective clothing, eye protection, face protection. P271: Use only outdoors or in a well-ventilated area. P261: Avoid breathing dust, fume, gas, mist, vapours, spray. P264: Wash thoroughly after handling.
<b>• Response</b>	: P302+P352: IF ON SKIN : Wash with plenty of soap and water. P332+P313: If skin irritation occurs : Get medical advice. P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing. P363: Wash contaminated clothing before reuse.
<b>• Storage</b>	: P403+P233: Store in well-ventilated place. Keep container tightly closed. P405: Store locked up.
<b>• Disposal considerations</b>	: P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**2.3. Other hazards**

<b>Other hazards</b>	: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.
----------------------	---

**3. Composition/information on ingredients**

<b>Substance / Preparation</b>	: CURCUMINE CRYSTALLINE 99% CAS No :458-37-7 Substance.
--------------------------------	---

Contains no other components or impurities which will influence the classification of the product.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**CURCUMINE (C. I. NO. 75300) (NATURAL YELLOW 3)**
**4. First aid measures**
**4.1. Description of first aid measures**

Inhalation	: Call a POISON CENTER or doctor if you feel unwell. Remove to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	: If skin irritation occurs : Get medical advice. Specific treatment (see on this label). Wash contaminated clothing before reuse. Wash with plenty of soap and water.
Eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists : Get medical advice.
Ingestion	: Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

**4.2. Most important symptoms and effects, both acute and delayed**

Symptoms relating to use	: Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.
--------------------------	---

**4.3. Indication of any immediate medical attention and special treatment needed**

General information	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
---------------------	---

**5. Fire-fighting measures**
**5.1. Extinguishing media**

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
Surrounding fires	: Use water spray or fog for cooling exposed containers.

**5.2. Special hazards arising from the substance or mixture**

Hazardous combustion products	: Under fire conditions, hazardous fumes will be present.
-------------------------------	---

**5.3. Advice for fire-fighters**

Protection against fire	: Do not enter fire area without proper protective equipment, including respiratory protection.
Special procedures	: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

**6. Accidental release measures**
**6.1. Personal precautions, protective equipment and emergency procedures**

For emergency responders	: Equip cleanup crew with proper protection. Ventilate area.
--------------------------	---

**MATERIAL SAFETY DATA SHEET (MSDS)**
**CURCUMINE (C. I. NO. 75300) (NATURAL YELLOW 3)**
**6. Accidental release measures (continued)**

For non-emergency personnel : Evacuate unnecessary personnel.

**6.2. Environmental precautions**

Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

**6.3. Methods and material for containment and cleaning up**

Clean up methods : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

**6.4. Reference to other sections**

See section 8. Exposure controls/personal protection

**7. Handling and storage**
**7.1. Precautions for safe handling**

Handling : Use only outdoors or in a well-ventilated area. Wash thoroughly after handling.  
 Wash thoroughly after handling.

Technical protective measures : Provide good ventilation in process area to prevent formation of vapour.

Special precautions : Avoid breathing dust, fume, gas, mist, vapours, spray.

**7.2. Conditions for safe storage, including any incompatibilities**

Storage : Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.

Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

**7.3. Specific end use(s)**

Specific end use(s) : None.

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

Personal protection : Avoid all unnecessary exposure.

- Respiratory protection : Wear approved mask.
- Hand protection : Wear protective gloves.
- Skin protection : Wear suitable protective clothing.
- Eye protection : Chemical goggles or safety glasses.
- Others : When using, do not eat, drink or smoke.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**CURCUMINE (C. I. NO. 75300) (NATURAL YELLOW 3)**
**8. Exposure controls/personal protection (continued)**
**8.2. Control parameters**

Occupational Exposure Limits : No data available.

**9. Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

Physical state at 20 °C	: Solid.
Colour	: Yellowish orange powder
Odour	: Odorless
Odour threshold	: No data available.
pH value	: Not applicable.
Melting point [°C]	: 175 °C
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: N/A
Flammability (solid, gas)	: N/A
Flash point [°C]	: N/A
Boiling point [°C]	: N/A
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure [20°C]	: N/A
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm <sup>3</sup> ]	: 12,72
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: N/A
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm <sup>2</sup> /s]	: N/A

**9.2. Other information**

Explosive properties	: N/A
Explosion limits - upper [%]	: N/A
Explosion limits - lower [%]	: N/A

## MATERIAL SAFETY DATA SHEET (MSDS)

**CURCUMINE (C. I. NO. 75300) (NATURAL YELLOW 3)**

## 9. Physical and chemical properties (continued)

**Oxidising properties** : No data available.

## 10. Stability and reactivity

## 10.1. Reactivity

**Reactivity** : Not established.

### **10.2. Chemical stability**

**Chemical stability** : Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions** : Not established.

### **10.4. Conditions to avoid**

**Conditions to avoid** : Direct sunlight. Extremely high or low temperatures.

### **10.5. Incompatible materials**

**Materials to avoid** : Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** : Fumes. Carbon monoxide. Carbon dioxide.

## 11. Toxicological information

### 11.1. Information on toxicological effects

### Acute toxicity

- **Inhalation** : Based on available data, the classification criteria are not met.
- **Dermal** : Based on available data, the classification criteria are not met.
- **Ingestion** : Based on available data, the classification criteria are not met.

**Corrosion** : Based on available data, the classification criteria are not met.

**Irritation** : Causes serious eye irritation.  
Causes skin irritation.  
May cause respiratory irritation.

**Sensitization** : Based on available data, the classification criteria are not met.

**Mutagenicity** : Based on available data, the classification criteria are not met.

**Carcinogenicity** : Based on available data, the classification criteria are not met.

**Toxic for reproduction** : Based on available data, the classification criteria are not met.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**CURCUMINE (C. I. NO. 75300) (NATURAL YELLOW 3)**
**11. Toxicological information (continued)**

STOT-single exposure	: Based on available data, the classification criteria are not met.
STOT-repeated exposure	: Based on available data, the classification criteria are not met.
Aspiration hazard	: Based on available data, the classification criteria are not met.

**12. Ecological information**
**12.1. Toxicity**

Toxicity information	: Not established.
----------------------	--------------------

**12.2. Persistence - degradability**

Persistence - degradability	: Biodegradable.
-----------------------------	------------------

**12.3. Bioaccumulative potential**

Bioaccumulative potential	: Not established.
---------------------------	--------------------

**12.4. Mobility in soil**

Mobility in soil	: Not established.
------------------	--------------------

**12.5. Results of PBT and vPvB assessment**

Results of PBT and vPvB assessment	: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.
------------------------------------	---

**12.6. Other adverse effects**

Environmental precautions	: Avoid release to the environment.
---------------------------	-------------------------------------

**13. Disposal considerations**
**13.1. Waste treatment methods**

General	: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.
---------	---

**14. Transport information**
**14.1. Land transport (ADR-RID)**

General information	: Not regulated.
---------------------	------------------

**14.2. Sea transport (IMDG) [English only]**

**MATERIAL SAFETY DATA SHEET (MSDS)**  
**CURCUMINE (C. I. NO. 75300) (NATURAL YELLOW 3)**

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

**End of document**