

# MATERIAL SAFETY DATA SHEET

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## **SECTION I - PRODUCT IDENTIFICATION**

**PRODUCT NAME:** YC-HopAroma Tabs  
**CHEMICAL NAME:** Essential hop oils in a granular composite mix.  
**CHEMICAL FAMILY:** Beta Acid Oil Concentrate

## **SECTION II - MATERIAL or COMPONENTS**

**COMPOSITION:** A solid or resinous phase (pH 7-10) of beta acids, oils and uncharacterized resins produced by CO2 extraction and mixed with food grade bicarbonate salts, excipients and binders.  
**HAZARDOUS COMPONENTS:** Not Applicable

## **SECTION III - PHYSICAL DATA**

**BOILING POINT:** Not Applicable  
**FREEZING POINT:** Not Applicable  
**VAPOUR PRESSURE:** Not Applicable  
**VAPOUR DENSITY:** Not Applicable  
**SOLUBILITY IN WATER:** Dissolves in water, rate dependent upon water temperature and evolves small amounts of carbon dioxide.  
**APPEARANCE & ODOUR:** Yellow to brown tablet with distinct floral aroma of hops.  
**PERCENT VOLATILE by VOLUME:** < 5%  
**EVAPORATION RATE:** < 1 (as aqueous solution)

## **SECTION IV - FIRE & EXPLOSION**

**FLASH POINT:** Not Applicable  
**EXTINGUISHING MEDIA:** Water, CO2  
**SPECIAL FIRE FIGHTING PROCEDURES:** None Required  
**UNUSUAL FIRE & EXPLOSION HAZARDS:** None

## **SECTION V - HEALTH HAZARD DATA**

**THRESHOLD LIMIT VALUE:** Not Established  
**ORAL INGESTION:** Not applicable – Food product, very bitter therefore unpalatable.  
**EYE CONTACT:** May be a mild irritant.  
**SKIN CONTACT:** Prolonged contact could cause dermatitis in some individuals.  
**INHALATION:** Vapors generated during steam cleaning product spills may cause severe respiratory distress in some individuals.

### **EMERGENCY FIRST AID:**

**ORAL INGESTION:** Not Applicable  
**EYE CONTACT:** Wash with copious amounts of water.  
Seek medical attention if irritation persists.  
**SKIN CONTACT:** Wash with warm, soapy water.  
Seek medical attention if irritation persists.  
Launder contaminated clothing before reuse.  
**INHALATION:** Remove affected person to fresh air. Administer oxygen if necessary.

## **SECTION VI - SPILL or LEAK PROCEDURE**

Steps to be taken in case material is released or spilled: Scoop/shovel spilled material into recovery container. Flush area with hot soapy water to remove final traces. Use adequate ventilation or a respirator if in a confined area.

## **SECTION VII - SPECIAL PROTECTION**

**PROTECTIVE GLOVES:** Rubber  
**EYE PROTECTION:** Safety Glasses  
**RESPIRATORY PROTECTION:** Dust mask may be worn for comfort if handling practice generates significant dust.