

MATERIAL SAFETY DATA SHEET

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SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: YC-IKE Plus
CHEMICAL NAME: Resin concentrate of is humulones and natural hop essence.
CHEMICAL FAMILY: Isomerized alpha acids concentrate from hops.

SECTION II - MATERIAL or COMPONENTS

COMPOSITION: A solid or resinous phase (ph 2-5) of iso alpha acids, beta acids, hop oils and uncharacterized resins.

Concentration of the iso alpha acids is typically around 50-65% w/w.
Concentration of the beta acids is typically around 5-10% w/w.
Concentration of the hop oils is typically between 2.5-4.0% v/w.

HAZARDOUS COMPONENTS: Not Applicable – a resinous solution of hop components.

SECTION III - PHYSICAL DATA

BOILING POINT: > 100°C
FREEZING POINT: - 2°C
VAPOUR PRESSURE: Not Applicable
VAPOUR DENSITY: Not Applicable
SOLUBILITY IN WATER: Slightly
APPEARANCE & ODOUR: Yellow, green or brown resin concentrate with a pungent odor.
SPECIFIC GRAVITY AT 30% : 1.05 +/- 0.10
PERCENT VOLATILE by VOLUME: < 2.5
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