

MATERIAL SAFETY DATA SHEET

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SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: YC-Iso
CHEMICAL NAME: An aqueous solution of the potassium salts of iso-alpha-acids.
CHEMICAL FAMILY: Hop Extracts / Hop Resins.
SYNOYM: Aqueous solution of potassium isohumulate.

SECTION II - MATERIAL or COMPONENTS

COMPOSITION: An aqueous solution (pH 8.0-9.5) of the potassium salts of the isoalpha-acids produced by isomerizing the alpha-acids in CO2 extract.

HAZARDOUS COMPONENTS: Concentration of the iso-alpha-acids is 30% w/v..
Not Applicable – a aqueous solution of a single component.

SECTION III - PHYSICAL DATA

BOILING POINT: > 100°C
FREEZING POINT: - 2°C
VAPOUR PRESSURE: Not Applicable
VAPOUR DENSITY: Not Applicable
SOLUBILITY IN WATER: Complete at pH 8.5 - 9.6
APPEARANCE & ODOUR: Mobile pale yellow liquid w/ slight resinous odor.
SPECIFIC GRAVITY AT 30% : 1.065 +/- 0.01
PERCENT VOLATILE by VOLUME: < 1
EVAPORATION RATE: < 1

SECTION IV - FIRE & EXPLOSION

FLASH POINT: Not Applicable
EXTINGUISHING MEDIA: Not Applicable
SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE & EXPLOSION HAZARDS: None

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not Established
ORAL INGESTION: Not applicable – Food additive, very bitter therefore unpalatable.
EYE CONTACT: May be a mild irritant.
SKIN CONTACT: Prolonged contact could cause dermatitis in some individuals.
INHALATION: Not volatile.

EMERGENCY FIRST AID:

ORAL INGESTION: Not Applicable
EYE CONTACT: Wash with copious amounts of water.
SKIN CONTACT: Wash with warm, soapy water.
INHALATION: Not Applicable

SECTION VI - SPILL or LEAK PROCEDURE

Steps to be taken in case material is released or spilled: Apply commercial absorbents to spill and after removal flush with water..

SECTION VII - SPECIAL PROTECTION

PROTECTIVE GLOVES: Rubber
EYE PROTECTION: Safety Glasses