



Potassium-Form Isomerized Kettle Extract (PIKE)

MATERIAL SAFETY DATA SHEET

Section I. PRODUCTS AND SUPPLIER	
Supplier's Name S. S. Steiner, Inc. or Simon H. Steiner Hopfen GmbH or Steiner Hops Ltd.	Emergency Telephone No. USA: +1-509-453-4731 or Germany: +49-8751-8605-0 UK: +44-1992-572331
Address 1 West Washington Avenue, Yakima, Washington 98903, USA or Auhofstrasse 18, 84048 Mainburg, Germany or 319A High Street, Epping, Essex CM16 4DA, United Kingdom	
Product Name Potassium-Form Isomerized Kettle Extract	Trade Name and Synonyms PIKE, PIKE(K+), Isomerized Kettle Extract (Potassium salt)
CAS No(s). Not available	
Chemical Family Modified Extract of hops, organic.	Formula Not applicable
Section II. COMPONENTS	
Material or components	%
The potassium salt of iso-alpha-acids, other hop resins and essential oils concentrate produced from hops	Hop Resins typically 35% to 75%; hop oils 2% to 6%
Section III. PHYSICAL DATA	
Boiling Point °C (°F.) Not known (above 100°C)	Specific Gravity (H₂O = 1) 0.9 -1.0
Vapor Pressure (mm Hg.) Not applicable	Volatiles by volume (%) < 10%
Vapor Density (AIR =1) Not applicable	Evaporation Rate (Ether =1) Slight
Solubility in Water Slight	
Appearance and Odor Golden or pale brown, soft paste at ambient temperature; becomes more fluid at higher temperatures. Hop oil component of extract has pungent hop odor.	



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Section IV. FIRE AND EXPLOSION HAZARD DATA			
Flash Point (Method used) Not known	Flammable Limits Not known	Le¹	Ue^f
Extinguishing Media CO ₂ , Foam, Dry Powder			
Specific Fire Fighting Procedures None required.			
Unusual Fire and Explosion Hazards None known			
Section V. HEALTH HAZARD DATA			
Threshold Limit Value None known			
Effects of Exposure Non-toxic. <u>Oral Ingestion</u> : Not known; ingestion of large amounts may be dangerous. <u>Eye contact</u> : Severe irritant. <u>Skin contact</u> : Prolonged contact may cause dermatitis in some individuals. <u>Inhalation</u> : Vapor generated in steam cleaning product spills may cause severe respiratory distress in some individuals.			
Emergency and First Aid Procedures <u>Eye contact</u> : Wash with copious amounts of water; seek medical attention. <u>Skin contact</u> : Remove with proprietary skin cleanser, rubbing alcohol (isopropanol) or soapy warm water. <u>Inhalation</u> : Transfer person to fresh air; seek medical attention and administer oxygen if necessary.			
Section VI. SPILL OR LEAK PROCEDURES			
Apply commercial absorbents to spill comparable to clean-up of lubricating oil. Scoop/shovel material in to disposal container. Flush area with hot water and detergent to remove final traces. Use adequate ventilation or a respirator if in a confined area.			



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Section VII. SPECIAL PROTECTION & PRECAUTION INFORMATION		
Respiratory Protection (Specify type) None required for normal handling. When steam cleaning equipment or spills, use a respirator with an organic vapor cartridge.		
Ventilation Normal none required; in case of spills/cleaning, use mechanical ventilation.	Local Exhaust <u>Normal ventilation</u> Mechanical (General)	Special <hr/> Other
Protective Gloves Recommended cloth or rubber gloves.	Eye Protection Use protective goggles or safety glasses.	
Other Protective Equipment Use of low-grade protective clothing (e.g. rubber apron) recommended.		
Precautions Taken in Handling and Storing Store at cool to ambient temperature in unopened original containers. Use opened containers as soon as possible. Minimum storage temperature -20°C (-4°F). Maximum storage temperature preferably less than 10°C (50°F)		
Other Precautions None known		
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