

**BayWa AG**  
Vertrieb Hopfen  
Kalchenstraße 20  
88069 Tettang- Germany



## **Iso Extrakt 30%**

# **MATERIAL SAFETY DATA SHEET**

## **1. PRODUCTS AND SUPPLIER INFORMATION**

**Name:** Iso Extract 30%

**Synonyms:** Iso extract, Isomerized Hop Extract, Iso

**Supplier:** BayWa AG, Kalchenstraße 20, 88069 Tettang – Germany

**Emergency phone:** +49 8751 8646-41 or  
+49 7542 5396-10

## **2. COMPONENTS**

Aqueous solution of the potassium salts of iso-alpha-acids derived by the isomerization of the alpha-acids (originated from CO<sub>2</sub> extract) of hops. The Solution contains no alcoholic or flammable ingredients.

Typical composition: 30 %

## **3. HEALTH HAZARD DATA**

**Main hazards:** none known

**Oral ingestion:** a large dose may be dangerous; not known

**Eye contact:** may cause conjunctiva irritation and corneal damage

**Skin contact:** prolonged contact may cause dermatitis

## **4. EMERGENCY AND FIRST AID PROCEDURES**

**Eye contact:** immediately flood the opened eye with plenty of water. Obtain medical attention.

**Skin contact:** wash skin thoroughly with soap and water. Contaminated clothing should be washed before re-use.

**Oral ingestion:** Consult a physician.

## **5. FIRE AND EXPLOSION HAZARD DATA**

**Extinguishing media:** not flammable

**Special hazards of**

**Product:** none

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The BayWa logo consists of a green square with the word "BayWa" written in white, sans-serif font.

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### 6. ACCIDENTIAL RELEASE/SPILL MEASURES

**Personal protection:** Wear appropriate protective clothing.

**Environmental**

**precautions:** Normal clean-up procedure as for any agricultural commodity.

### 7. HANDLING AND STORAGE

**Storage temperature:** 5 - 15 °C (41 – 59 °F)

Use opened containers as soon as possible.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** not required

**Hand protection:** PVC or rubber gloves

**Body protection:** if danger of splashing PVC or rubber apron

**Eye protection:** chemical goggles during handling

**Other protective equipment:** not applicable

### 9. PHYSICAL AND CHEMICAL DATA

**Form:** viscous liquid

**Color:** amber - brown,

**Odor:** characteristic, typical slight hop aroma

**Boiling point:** not known (approx. 100°C (212°F))

**Density (kg/l):** 1.065

**Solubility in water:** better in pH 8 - 10

**pH:** 9 (+/- 1.0)

**Flash point:** not known

### 10. TOXICOLOGICAL INFORMATION

Based on the knowledge of using hops in brewing hop extracts are generally recognized as safe (GRAS 21 CFR 182.20). No TVL's established

### 11. ECOLOGICAL INFORMATION

Iso Extrakt 30 % is all natural and biodegradable.

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### 12. DISPOSAL INFORMATION

Disposal should be done in accordance with local and national regulations.

### 13. TRANSPORT INFORMATION

Recommended transport conditions: as quick as possible.

### 14. REGULATORY INFORMATION

Labeling according to US and EC directives

**R-phrases:** not applicable

**S-phrases:** not applicable

**EINECS Listing:** not listed

### 15. OTHER INFORMATION

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