

BayWa AG
Vertrieb Hopfen
Kalchenstraße 20
88069 Tettngang - Germany



Isomerised Hop Pellets (Iso-Pellets)

MATERIAL SAFETY DATA SHEET

1. PRODUCTS AND SUPPLIER INFORMATION

Name: Isomerised Hop Pellets (Iso-Pellets)
Synonyms: Iso-Pellets
Supplier: BayWa AG, Kalchenstraße 20, 88069 Tettngang – Germany
Emergency phone: +49 8751 8646-41 or
+49 7542 5396-10

2. COMPONENTS

Compressed and pelletised hop powder product of the cultivated hop plant *Humulus Lupulus*. Pellets containing cellulose, hop resins, essential hop oils and small amounts of food grade Magnesium Oxide which is added to assist the conversion of alpha acids into iso-alpha-acids. Different hop varieties (typical composition: hop powder 97 - 99% and MgO 1 - 3%).
Humulones (Alpha-acids) CAS number: 26472-3
Lupulones (Beta-acids) CAS number: 468-28-0

3. HEALTH HAZARD DATA

Main hazards: none
Oral ingestion: associated dust may be irritating to mouth and throat
Eye contact: associated dust may be irritating to eyes
Skin contact: not applicable

4. EMERGENCY AND FIRST AID PROCEDURES

Eye contact: washing with water
Skin contact: brush of excess material and wash skin thoroughly with soap and water

5. FIRE AND EXPLOSION HAZARD DATA

Extinguishing media: use dry powder, foam or carbon dioxide. Keep containers and surroundings cool with water spray.
Unsuitable extinguishing media: Great care should be taken using water/jet spray

Special hazards of Product: none

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6. ACCIDENTIAL RELEASE/SPILL MEASURES

Personal protection: Wear appropriate protective clothing.

Environmental

precautions: Do not allow product to enter drains.
Normal clean-up procedure as for any agricultural commodity.

7. HANDLING AND STORAGE

Storage temperature: 0 – 5 °C (32 – 42 °F)

Store at ambient or cool temperature in unopened original packs. Use opened packs as soon as possible after opening.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Dust masks are advisable, particularly if dust is generated.

Hand protection: not applicable

Body protection: not applicable

Eye protection: not applicable

Other protective equipment: not applicable

9. PHYSICAL AND CHEMICAL DATA

Form: compressed, pelletised hop powder

Color: various shades of green

Odor: characteristic, typical hop aroma

Boiling point: not applicable

Density (kg/m³): - -

Solubility in water: very slight

pH: not applicable

Flash point: not applicable

Evaporation point: not applicable

10. TOXICOLOGICAL INFORMATION

Based on the knowledge of using hops in brewing and in accordance with the US FDA 21 CFR 170.30 (c) and 170.3 (f), hop pellets are generally recognized as safe (GRAS).

11. ECOLOGICAL INFORMATION

Hop pellets are 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 at temperatures below 20 °C (68°F).

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

This MSDS is based on our best knowledge. The information herein is supplied in good faith and without warranty of any kind. This information should be used only as a supplement to information already in your possession concerning this product and its use. The determination of whether and under what conditions be used by your employees is yours to make. We do not accept any liability for loss, injury or damage that may result from its use.