

Hop Pellets 90

MATERIAL SAFETY DATA SHEET

I. PRODUCTS AND PRODUCER

Supplier's Name	Address
HMEZAD exim d.d.	Vrecerjeva 14, SI – 3310 Zalec, SLOVENIA
www.hmezad.si	

Product Name	Trade Name and Synonyms
Hop Pellets	Type 90 Pellets
Hops Variety: STYRIAN AURORA, STYRIAN GOLDING-CELEIA, STYRIAN SAVINJSKI GOLDING, STYRIAN CARDINAL, STYRIAN WOLF, STYRIAN BOBEK, STYRIAN GOLD, EXTRA STYRIAN DANA, MAGNUM,..	
CAS No(s).	Chemical Family
Not available	Natural product; not applicable
Formula	
Not applicable	

II. COMPONENTS

Material or components %
Compressed and pelletised hop powder produced from different varieties of cultivated *Humulus lupulus* containing cellulose, hop resins and hop essential oils Variable

III. PHYSICAL DATA

Boiling Point °C (°F.)	Specific Gravity (H2O = 1)
Not applicable	Not applicable
Vapor Pressure (mm Hg.)	Volatiles by volume (%)
Not applicable	Essential oils only typically 0.5-5.0%
Vapor Density (AIR =1)	Evaporation Rate (Ether =1)
Not applicable	Not applicable
Solubility in Water	Appearance and Odor
Very slight	Solid pellets measuring approximately 6mm diameter x 10-15 mm length
Color – various shades of green depending on variety.	
Aroma – typical hoppy aroma varying in intensity depending on variety.	

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method used)	Flammable Limits
Not applicable	Not applicable
Le1 Uef	Specific Fire Fighting Procedures
Extinguishing Media	None required.
Water, foam or CO2	
Unusual Fire and Explosion Hazards	
None known; very fine hop powdered hop dust can form explosive mixtures with air particularly in enclosed tanks or vessels.	

V. HEALTH HAZARD DATA

Threshold Limit Value	Effects of Exposure
None known	None known
Emergency and First Aid Procedures	
None required.	

VI. SPILL OR LEAK PROCEDURES

Normal procedures as for any non-hazardous agricultural product; bio-degradable and acceptable at landfill sites.

VII. SPECIAL PROTECTION & PRECAUTION INFORMATION

Respiratory Protection (Specify type)

Dust masks are advisable, particularly if dust is generated.

Ventilation	Local Exhaust
Normal	Normal ventilation

Mechanical (General)

Other

Protective Gloves	Eye Protection
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Not applicable.	Not applicable.
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Other Protective Equipment	Precautions Taken in Handling and Storing
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Not applicable.	Store at ambient or cool temperature in unopened original packs. Use opened packs as soon as possible after opening.
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Maximum storage temperature preferably less than 5°C (41°F)

Other Precautions

None known

Disclaimer

This MSDS is based on a limited review of files and standard toxicology handbooks. The information herein is supplied in good faith but 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 your employees should handle and use the product is yours to make.